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OF LUTON

ANNUAL REPORT

of the

Medical Officer of Health

and the

Chief Sanitary Inspector

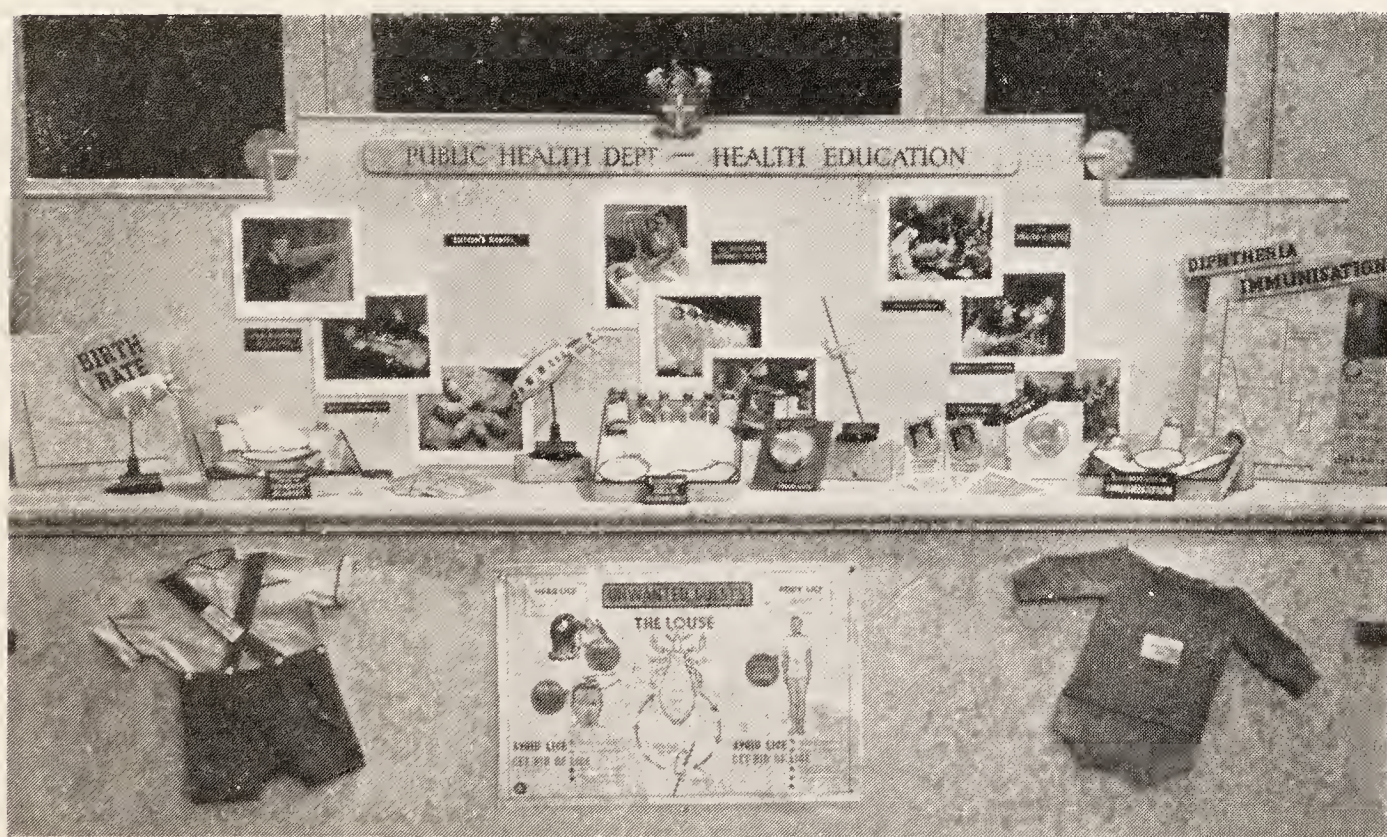
FOR THE YEAR 1945

FRED GRUNDY, M.D., M.R.C.S., D.P.H.,
Medical Officer of Health.

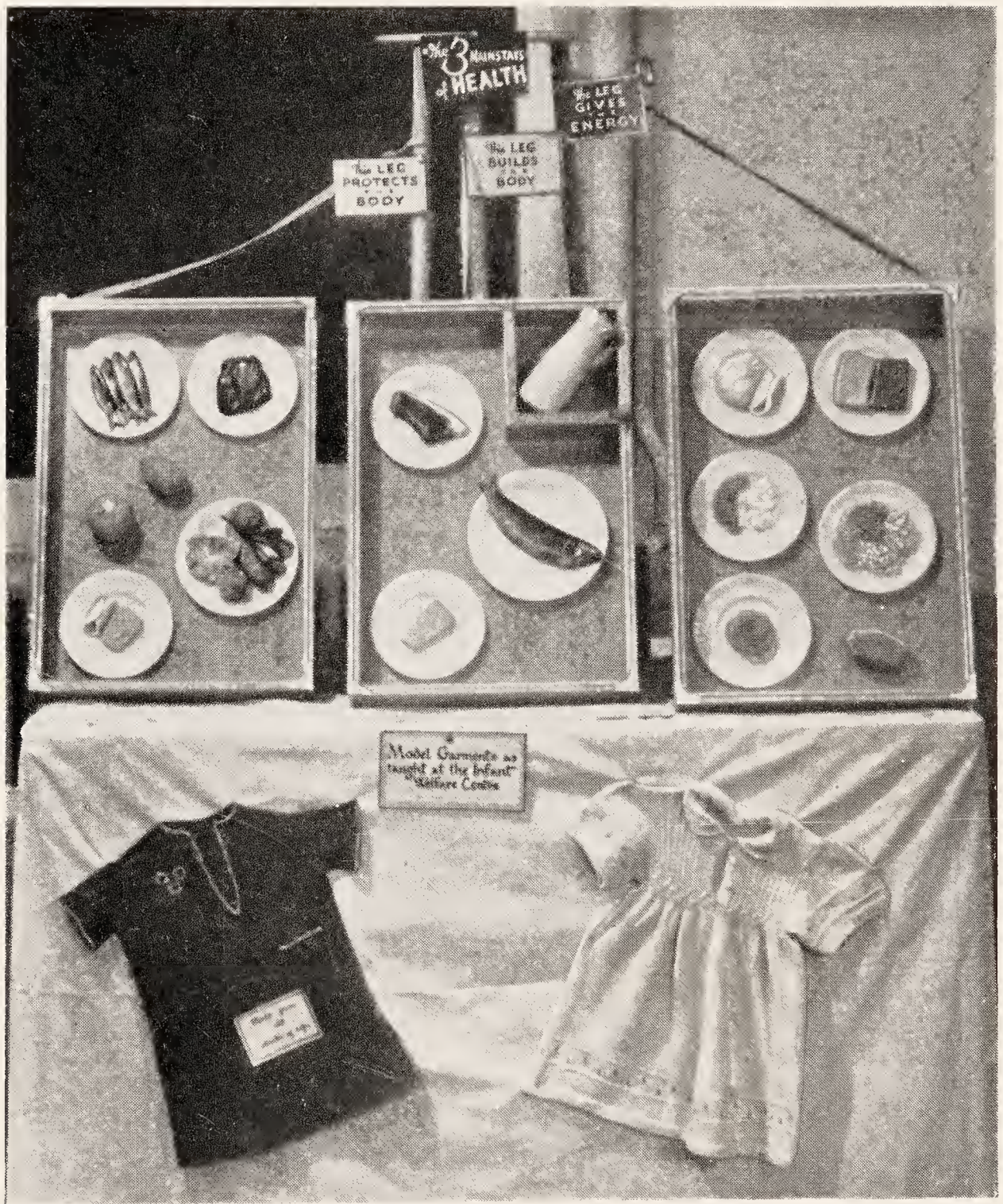
ARTHUR J. NICHOLS, M.R.S.I., M.S.I.A.,
Chief Sanitary Inspector.



LECTURE ROOM, NAPIER ROAD.



HEALTH EXHIBIT FOR USE IN SCHOOLS.



HEALTH EXHIBIT—SPECIMEN MEALS.

BOROUGH



OF LUTON

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Public Health Department,
Town Hall,
LUTON

3rd January, 1946

The Worshipful the Mayor, Aldermen and
Councillors of the Borough of Luton.

Ladies and Gentlemen,

Local happenings, however outstanding, would have been eclipsed by the stupendous world events of 1945 ; and judged by this standard, a record of an ordinary year's progress in your health department might well seem trivial to the point of insignificance. Moreover, the " Report on Luton " will shortly be in your hands, and the publication of this document, too, overshadows an Annual Report.

None-the-less, there are one or two matters, in addition to the tables which makes up the bulk of the report, upon which it seems proper to comment briefly.

First, the mere fact of publication within the early weeks of the New Year is noteworthy. For, although in itself of no great importance, it is an advance in the compilation of facts from many sources whilst they are still warm. The disadvantage of having to rely in a few instances on provisional figures is unavoidable, but I hope it is more than offset by the freshness of the record. As in the case of the Annual Report for 1944, page 5 has been left blank and a slip embodying official statistics will be printed later in the year.

Secondly, the records section of the department has been organised on the basis of a long term policy to make greater use of the statistical material which is collected as a matter of routine, but which hitherto has not been used to the best advantage. A note of this aspect of departmental activity is the subject of Appendix I to the report.

The practical value of the services of Mr. R. M. Titmuss will, I am sure, be apparent from a study of the " Report on Luton " and I should like to add only that periodic discussions and consultations with this officer have been a stimulus to the development of departmental statistics. I am indeed, indebted to the council for the expert assistance they placed at the department's disposal by his appointment.

Thirdly, the Council's Health Education scheme has operated for a full year, and a report of the work by Mr. M. W. Hardisty forms the subject matter of Appendix II. Like the compilation of records, the development of this work will bear full fruit only after a period of years, but the yield is already appreciable. Mr. Hardisty describes the progress of biology teaching in your schools ; short courses of lectures to parents, youths and others ; the building up of a mobile education exhibit for use in schools, and the preparation of teaching syllabuses. Activity on this scale would not have been possible without the appointment of a specialist officer devoting his whole time to the work. Nor would it have been effective without the co-operation of teachers, colleagues in the Education Department and many others whose helpful and friendly attitude has been a gratifying feature of a laborious, pioneering period.

Fourthly, in May, the Chaul End Nursery buildings were opened as a Maternity Unit of fifteen beds into which women are received for treatment during pregnancy and to which they are transferred from lying-in beds at the Maternity Hospital during the late puerperium. 351 women were admitted between June 1st, 1945 and the end of the year. The Council now controls 79 maternity beds, and the relief to overcrowding of lying-in beds has lightened the burden and responsibility carried for some years by the staffs of the Maternity Hospital and the Grove Road Extension.

Generally, there has been no unusual incidence of notifiable infectious disease. Only 19 cases of diphtheria were notified and there was no fatality from this cause. It is noteworthy that in the last quarter of the year, when 13 cases were notified, that the sufferers were mostly older children and adults. Gravis strains were identified as the responsible organisms.

A greater number of immunisations was completed during the year than in 1944, but, despite persistent personal approaches by health visitors, the proportion of children under five who are immunised is not so high as one would like. Whilst taking every possible step to encourage immunisation during the second year of life, and throughout the pre-school period, it is the policy of the department to review the immunity state of every school entrant and to secure the immunisation of unimmunised children at this age. The general situation is summarised on pages 10 and 11 and it does not compare unfavourably with the record of other large towns.

There was considerably less scarlet fever than in 1944, and there was no fatality from this disease. Whooping cough was also less prevalent than in 1944, but there was more measles. 914 cases of the latter disease were notified and 3 deaths were attributed to this cause.

The only other incident of note under this heading was the occurrence in the late summer and autumn of a number of cases of food poisoning (B. Aertrycke); the cases were scattered, unconnected as far as available evidence showed, and the responsible foodstuffs were not traced.

And, finally, if in this introductory note I have seemed to refer only to the activities of some sections of the health department, it is no-wise because the work of other sections is less meritorious. The staff have continued to work with diligence and enthusiasm under difficulties imposed by war conditions and staffing deficiencies; and although it would be invidious to suggest that with the homecoming of men and women from the Forces the department will be more efficient, it is true to say that their return will afford a measure of relief to those who have for some years carried a double burden of responsibility. Your committees have supported the department's work and have shown a real insight into staffing problems. The co-operation of the general public, teachers in schools, and the press have greatly aided the department's work.

I have the honour to be,

Your obedient servant,

F. GRUNDY,

Medical Officer of Health

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

On GENERAL STATISTICS.

| | | | | | | |
|---|-----|-----|-----|-----|----------|-------|
| Area (from 1st April, 1939) | ... | ... | ... | ... | 8,736 | acres |
| Population (Census, 1931) | ... | ... | ... | ... | 68,523 | |
| Registrar-General's Estimate for mid-1945 (Provisional) | | | | | 99,750 | |
| Number of inhabited houses, 1st April, 1945 | ... | ... | | | 28,546 | |
| Rateable value (1st April, 1945) unreduced | ... | ... | | | £876,755 | |
| Rateable value (1st April, 1945) reduced | ... | ... | | | £773,000 | |
| Sum represented by Penny Rate (est. 1945-46) | ... | ... | | | £3,100 | |

On EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1945

| | | | <i>Total.</i> | <i>Males</i> | <i>Females</i> |
|--|--------------|-----|---------------|--------------|----------------|
| Notified live births | Legitimate | ... | 2,103 | 1,082 | 1,021 |
| | Illegitimate | ... | 172 | 95 | 77 |
| | | | <hr/> | <hr/> | <hr/> |
| | | | 2,275 | 1,177 | 1,098 |
| Notified stillbirths | Legitimate | ... | 65 | 38 | 27 |
| | Illegitimate | ... | — | — | — |
| | All | ... | 65 | 38 | 27 |
| Total Live and Stillbirths (Notified) | | ... | 2,340 | | |
| Stillbirth Rate per 1,000 total (live & still) births | | ... | | ... | 27.8 |
| Registered live births* | ... | ... | 1,897 | | |
| Live Birth Rate per 1,000 of estimated resident population (provisional) | | | | | 19.0 |
| Gross reproduction rate (approx.) | ... | ... | ... | ... | 1.19 |

| | | | <i>Total</i> | <i>Males</i> | <i>Females</i> |
|--|-----|-----|--------------|--------------|----------------|
| Registered Deaths* | ... | ... | 941 | 462 | 479 |
| Death rate per 1,000 estimated resident population | | ... | ... | ... | 9.4 |
| Deaths from Puerperal Causes (Headings 29 and 30 of Registrar-General's short list) :— | | | | | |

| | <i>Deaths.</i> | <i>Rate per 1,000 registered total births.</i> |
|-------------------------------|----------------|--|
| No. 29 Puerperal Sepsis | — | — |
| No. 30 Other Puerperal causes | 2 | 1.0 |
| Total | 2 | 1.0 |

Death Rates of Infants under 1 year of age :—

| | | |
|---|-----|----|
| All Infants per 1,000 registered live births (provisional) | ... | 33 |
| Legitimate per 1,000 legitimate live births (provisional) | ... | 30 |
| Illegitimate per 1,000 illegitimate live births (provisional) | | 73 |

* Corrected for inward and outward transfers.

TABLE 1.

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY,
MATERNAL DEATH RATES AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES IN THE YEAR 1945.

(England and Wales, London, 126 Great Towns and 148 Smaller Towns).
(Provisional figures based on Weekly and Quarterly Returns).

TABLE 2. COMPARATIVE STATISTICS FOR 1935—1945.

| Year | Esti- mated Popula- tion | LIVE BIRTHS | | STILLBIRTHS | | DEATHS | | INFANT DEATHS | | | Rate per 1000 live births | MATERNAL DEATHS | | | |
|------|-----------------------------------|-------------|--|-------------|-------------------------------------|--------|--|------------------|-----------------------------|-------|---------------------------------------|-----------------|-------|--------|--|
| | | Number | Rate per 1000 estimated popula- tion | Number | Rate per 1000 total births | Number | Rate per 1000 estimated popula- tion | Under 4 weeks | 4 weeks —12 months | TOTAL | | Sepsis | Other | Number | Rate per 1000 total births |
| 1935 | 80,020 | 1,282 | 16.0 | 57 | 42.6 | 845 | 10.6 | 27 | 26 | 53 | 41 | 3 | 7 | 10 | 7.46 |
| 1936 | 85,600 | 1,406 | 16.4 | 65 | 46.3 | 852 | 10.0 | 28 | 21 | 49 | 34 | 2 | 4 | 6 | 4.06 |
| 1937 | 89,360 | 1,530 | 17.1 | 61 | 38.3 | 935 | 10.5 | 33 | 24 | 57 | 37 | — | 6 | 6 | 3.77 |
| 1938 | 90,840 | 1,567 | 17.3 | 49 | 30.3 | 872 | 9.6 | 45 | 25 | 70 | 44 | 2 | 4 | 6 | 3.71 |
| 1939 | 94,110 | 1,528 | 16.5 | 61 | 38.4 | 945 | 10.0 | 34 | 23 | 57 | 37 | 1 | 3 | 4 | 2.51 |
| 1940 | 99,440 | 1,543 | 15.0 | 35 | 21.3 | 1,128 | 11.3 | 40 | 42 | 82 | 53 | — | 2 | 2 | 1.21 |
| 1941 | 103,990 | 1,440 | 13.9 | 47 | 31.6 | 1,036 | 10.0 | 38 | 36 | 74 | 49 | — | 2 | 2 | 1.29 |
| 1942 | 101,600 | 1,820 | 18.0 | 69 | 36.5 | 998 | 9.8 | 42 | 39 | 81 | 44 | — | 1 | 1 | 0.52 |
| 1943 | 98,950 | 1,902 | 19.2 | 60 | 30.6 | 994 | 10.0 | 41 | 39 | 80 | 42 | 2 | 5 | 7 | 3.56 |
| 1944 | 100,650 | 2,282 | 22.7 | 59 | 23.4 | 1,027 | 10.2 | 40 | 43 | 83 | 33 | — | 3 | 3 | 1.2 |
| 1945 | 99,750 | 1,897 | 19.0 | 65 | 27.8 | 941 | 9.4 | 34 | 28 | 62 | 33 | — | 2 | 2 | 1.0 |

TABLE 3. DEATHS OF LUTON RESIDENTS DURING THE YEAR 1945.

| CAUSE OF DEATH | All Ages | Under 4 weeks | 1 month to 1 year | Total under 1 year | 1-5 | 5-10 | 10-15 | 15-25 | 25-35 | 35-45 | 45-55 | 55-65 | 65-75 | 75+ |
|--|-------------|---------------------|----------------------------|--------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1. Typhoid and Paratyphoid Fever | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2. Cerebro-spinal Fever ... | 1 | — | — | — | — | — | — | — | — | 1 | — | — | — | — |
| 3. Scarlet Fever ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4. Whooping Cough ... | 2 | 1 | — | 1 | 1 | — | — | — | — | — | — | — | — | — |
| 5. Diphtheria ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6. Tuberculosis of Respiratory System ... | 51 | — | — | — | 2 | — | 2 | 7 | 9 | 11 | 3 | 10 | 6 | 1 |
| 7. Other forms of Tuberculosis ... | 13 | — | — | — | 2 | 2 | — | 2 | 2 | 2 | 1 | 1 | 1 | — |
| 8. Syphilitic Disease ... | 5 | 1 | — | 1 | — | — | — | — | 1 | — | — | 1 | 2 | — |
| 9. Influenza ... | 3 | — | — | — | — | — | — | — | 1 | — | — | — | 1 | 1 |
| 10. Measles ... | 3 | — | — | — | 2 | 1 | — | — | — | — | — | — | — | — |
| 11. Acute Poliomyelitis and Polio-encephalitis ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 12. Acute Infectious Encephalitis ... | 1 | — | — | — | — | — | — | — | — | — | — | 1 | — | — |
| 13M. Cancer of Buccal Cavity and Oesophagus ... | 8 | — | — | — | — | — | — | — | — | — | 1 | 1 | 3 | 3 |
| 13F. Cancer of Uterus ... | 5 | — | — | — | — | — | — | — | — | 1 | 1 | 2 | 1 | — |
| 14. Cancer of Stomach and Duodenum | 27 | — | — | — | — | — | — | — | — | 2 | 3 | 10 | 6 | 6 |
| 15. Cancer of Breast ... | 26 | — | — | — | — | — | — | — | 1 | 3 | 5 | 6 | 6 | 5 |
| 16. Cancer of all other sites ... | 103 | — | — | — | — | — | 1 | 1 | — | 8 | 19 | 23 | 32 | 19 |
| 17. Diabetes ... | 11 | — | — | — | — | — | 1 | — | — | — | 1 | 2 | 4 | 3 |
| 18. Intra-cranial Vascular Lesions ... | 98 | — | — | — | — | — | — | — | 1 | 1 | 2 | 17 | 31 | 46 |
| 19. Heart Disease ... | 243 | — | — | — | — | — | 1 | 2 | 3 | 2 | 19 | 40 | 72 | 104 |
| 20. Other Diseases of the Circulatory System ... | 35 | — | — | — | — | — | — | — | — | 1 | 4 | 4 | 11 | 15 |
| Carried forward ... | 635 | 2 | — | 2 | 7 | 3 | 5 | 12 | 18 | 32 | 59 | 118 | 176 | 203 |

DEATHS OF LUTON RESIDENTS DURING THE YEAR 1945 (continued)

| CAUSE OF DEATH | All Ages | Under 4 weeks | 1 month to 1 year | Total under 1 year | 1-5 | 5-10 | 10-15 | 15-25 | 25-35 | 35-45 | 45-55 | 55-65 | 65-75 | 75+ |
|---|-------------|---------------------|----------------------------|--------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|
| Brought forward ... | 635 | 2 | — | 2 | 7 | 3 | 5 | 12 | 18 | 32 | 59 | 118 | 176 | 203 |
| 21. Bronchitis ... | 36 | — | 5 | 5 | 1 | — | — | 1 | — | 1 | 2 | 5 | 8 | 13 |
| 22. Pneumonia ... | 40 | — | 6 | 6 | — | — | — | 1 | 1 | 3 | 3 | 6 | 10 | 10 |
| 23. Other Respiratory Diseases ... | 9 | — | — | — | — | — | — | — | 3 | 1 | — | 2 | 2 | 1 |
| 24. Ulceration of the Stomach or Duodenum ... | 9 | — | — | — | — | — | — | — | 1 | 1 | 1 | 3 | 2 | 1 |
| 25. Diarrhoea (under 2 years) ... | 12 | 4 | 8 | 12 | — | — | — | — | — | — | — | — | — | — |
| 26. Appendicitis ... | 5 | — | — | — | — | — | — | — | 1 | 1 | 2 | 1 | — | — |
| 27. Other Digestive Diseases ... | 18 | — | 1 | 1 | — | — | — | — | 2 | 2 | 4 | 2 | 2 | 5 |
| 28. Nephritis ... | 15 | — | — | — | — | 1 | 1 | — | — | 1 | 1 | 2 | 7 | 2 |
| 29. Puerperal and Post Abortive Sepsis ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30. Other Maternal Causes ... | 2 | — | — | — | — | — | — | — | — | 2 | — | — | — | — |
| 31. Premature Birth ... | 15 | 14 | 1 | 15 | — | — | — | — | — | — | — | — | — | — |
| 32. Congenital Malformations, Birth Injury, Infantile Disease ... | 16 | 12 | 4 | 16 | — | — | — | — | — | — | — | — | — | — |
| 33. Suicide ... | 9 | — | — | — | — | — | — | 1 | 1 | 3 | 1 | 1 | — | 2 |
| 34. Road Traffic Accidents ... | 9 | — | — | — | 1 | 1 | — | 2 | — | 2 | — | 2 | — | 1 |
| 35. Other Violent Causes ... | 23 | 2 | 1 | 3 | 1 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 2 | 2 |
| 36. All Other Causes ... | 88 | — | 2 | 2 | 1 | 2 | 1 | 2 | 3 | 3 | 6 | 11 | 10 | 47 |
| Totals ... | 941 | 34 | 28 | 62 | 11 | 9 | 10 | 21 | 31 | 55 | 81 | 155 | 219 | 287 |

TABLE 4.
NOTIFIED INFECTIOUS DISEASES, 1945 Civilian (Corrected in cases of revised diagnosis).

| | Under 1 year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | 10-15 | 15-20 | 20-25 | 25-35 | 35-45 | 45-65 | Over 65 | TOTAL |
|----------------------------|-----------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|------------|-------|
| Scarlet Fever ... | — | 3 | 6 | 5 | 16 | 62 | 22 | 2 | 1 | 4 | 1 | 1 | — | 123 |
| Diphtheria ... | — | — | — | — | 1 | 8 | 3 | 1 | — | 3 | 3 | — | — | 19 |
| Whooping Cough ... | 13 | 28 | 20 | 10 | 15 | 31 | 1 | — | 1 | — | — | — | — | 119 |
| Measles ... | 36 | 77 | 106 | 104 | 114 | 430 | 27 | 7 | 7 | 4 | 1 | 1 | — | 914 |
| Pneumonia ... | 4 | 1 | 3 | 3 | 3 | 8 | 2 | 1 | — | 7 | 4 | 13 | 8 | 57 |
| Anterior Poliomyelitis ... | — | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 |
| Dysentery ... | 5 | 5 | 5 | 7 | 5 | 19 | 8 | — | 3 | 9 | 10 | 9 | 4 | 89 |
| Ophthalmia Neonatorum ... | 2 | — | — | — | — | — | — | — | — | — | — | — | — | 2 |
| Puerperal Pyrexia ... | — | — | — | — | — | — | — | 5 | 9 | 15 | 3 | — | — | 32 |
| Cerebro Spinal Fever ... | 1 | — | — | 1 | — | — | 1 | — | — | 1 | — | — | — | 4 |
| Erysipelas ... | — | — | — | — | — | — | — | 1 | — | 1 | 2 | 8 | 3 | 15 |
| Jaundice ... | — | — | 1 | 1 | 1 | 33 | 17 | 7 | — | 9 | 1 | 2 | 1 | 73 |
| Totals ... | 61 | 114 | 141 | 131 | 155 | 591 | 82 | 24 | 21 | 53 | 25 | 34 | 16 | 1,448 |

DIPHTHERIA IMMUNISATION

Number of children immunised under the Council's scheme, 1941-45.

| | | | | <i>Under 5 years</i> | <i>Over 5 years</i> | <i>Total</i> |
|------|-----|-----|-----|--------------------------|-------------------------|--------------|
| 1941 | ... | ... | ... | 1,207 | 6,631 | 7,838 |
| 1942 | ... | ... | ... | 1,836 | 1,038 | 2,874 |
| 1943 | ... | ... | ... | 1,659 | 1,938 | 3,597 |
| 1944 | ... | ... | ... | 1,037 | 97 | 1,134 |
| 1945 | ... | ... | ... | 1,225 | 189 | 1,414 |

TABLE 5.

Number of Children who had completed a full course of Immunisation at any time up to 31st December, 1945.
(According to Health Department Records)

| Age at 31.12.45 | Under 1 year | 1 year | 2 years | 3 years | 4 years | 5 to 9 years | 10 to 14 years | Total under 15 |
|--|-----------------|--------|---------|---------|-----------------|-----------------|-------------------|-------------------|
| Number Immunised | 0 | 1,114 | 879 | 556 | 937 | 5,337 | 6,128 | 14,951 |
| Estimated mid-year population, 1945 | 8,627 (Survey) | | | | 16,803 (Survey) | | | 25,430 |

| | <i>Under 5 years</i> | <i>Between 5 and 15 years</i> |
|--|--------------------------|-----------------------------------|
| Estimated percentage of the child population immunised at 31st December, 1945 ... | 40% | 68% |
| (a) Number of cases of diphtheria in children under 15 years of age notified during the year ... | | 12 |
| (b) Number of cases included in (a) in which the child is known to have completed the course of immunisation not less than 12 weeks before the onset of the disease | | 8 |
| (c) Number of deaths from diphtheria registered in the Authority's area during the year, of children under 15 years of age ... | | 0 |
| (d) Number of deaths included in (c) in which the child is known to have completed the course of immunisation not less than 12 weeks before the onset of the disease | | 0 |

OPHTHALMIA NEONATORUM

| | | | | | |
|---|-----|-----|-----|-----|-----|
| (a) Number of cases notified during the year | ... | ... | ... | ... | 2 |
| (b) Number of cases visited by officers of the Council | ... | ... | ... | ... | 2 |
| (c) Number of cases removed to hospital | ... | ... | ... | ... | 2 |
| (d) Number of cases for whom home nursing was provided by the Council | ... | ... | ... | ... | Nil |
| (e) Number of cases in which vision was impaired | ... | ... | ... | ... | Nil |

DIPHTHERIA IMMUNISATION.

GRAPH SHOWING PERCENTAGE OF UN-IMMUNISED POPULATION 0-15 YEARS
together with
INCIDENCE OF, AND DEATHS FROM DIPHTHERIA.

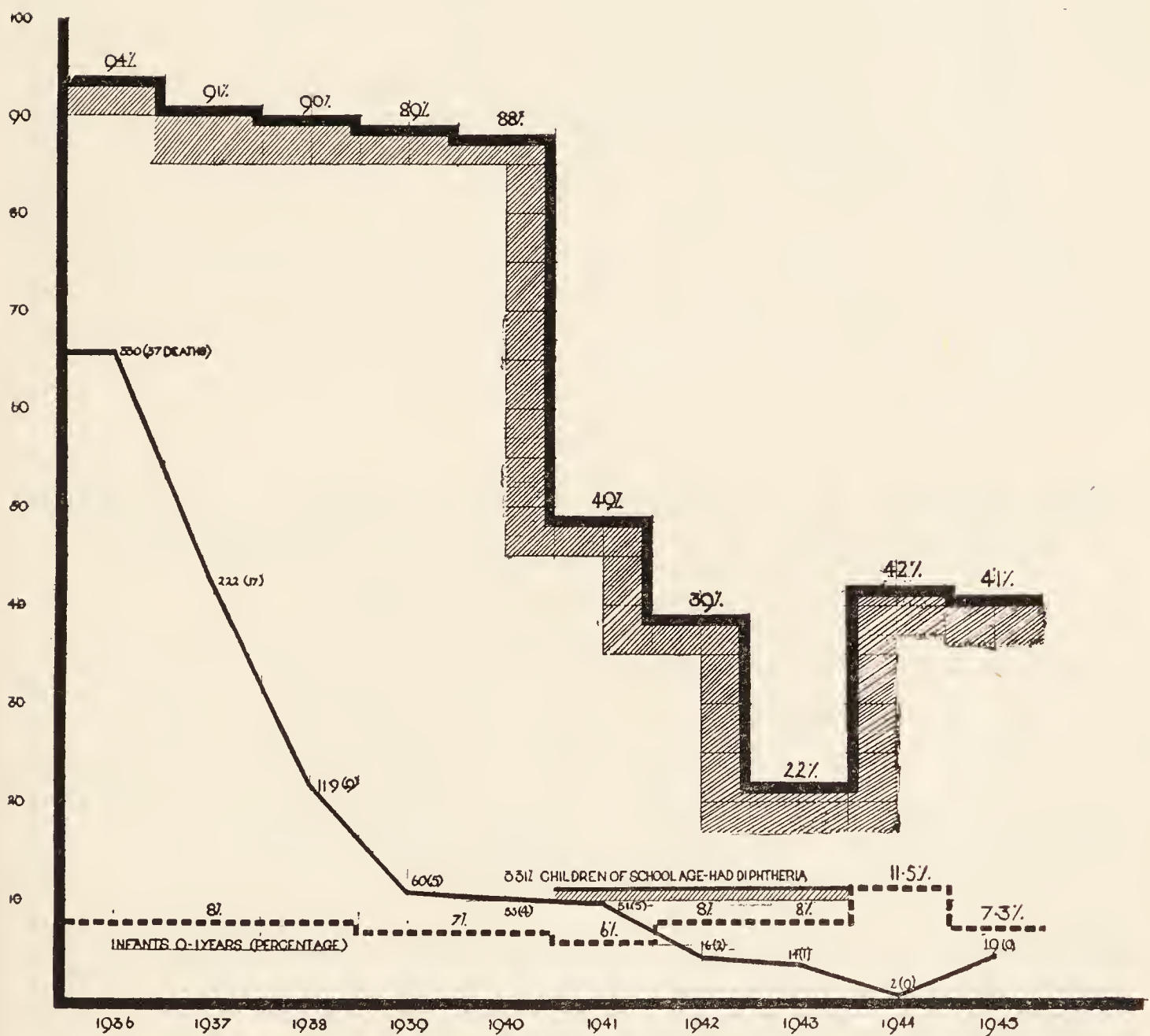


TABLE 6.

PARTICULARS OF NEW CASES OF TUBERCULOSIS AND ALL DEATHS FROM THE DISEASE DURING 1945.

| Age Periods | New Cases | | | | Deaths | | | |
|--------------|-----------|----|---------------|----|-----------|----|---------------|----|
| | Pulmonary | | Non-Pulmonary | | Pulmonary | | Non-Pulmonary | |
| | M. | F. | M. | F. | M. | F. | M. | F. |
| Under 1 year | — | — | — | — | — | — | — | — |
| 1 " | — | 1 | 2 | 7 | — | 2 | 2 | — |
| 5 " | 2 | — | 3 | 3 | — | — | 2 | — |
| 10 " | — | 2 | 3 | 1 | — | 2 | — | — |
| 15 " | 4 | 5 | 3 | 1 | 1 | 2 | — | — |
| 20 " | 7 | 15 | — | 1 | 1 | 3 | — | 2 |
| 25 " | 20 | 14 | 1 | 1 | 3 | 6 | 2 | — |
| 35 " | 21 | 7 | — | 1 | 6 | 5 | 2 | — |
| 45 " | 9 | 1 | 2 | 1 | 3 | — | 1 | — |
| 55 " | 11 | 1 | — | — | 6 | 4 | 1 | — |
| 65+ | 2 | 2 | 1 | — | 5 | 2 | 1 | — |
| Age Unknown | — | — | — | — | — | — | — | — |
| Totals ... | 76 | 48 | 15 | 16 | 25 | 26 | 11 | 2 |

TABLE 7.

DISTRIBUTION OF NOTIFIED TOTAL BIRTHS AS BETWEEN INSTITUTIONAL AND DOMICILIARY CONFINEMENT.

Uncorrected for Outward Transfers.

| Year | Institutional | | | | | Domiciliary | | | | Grand Total |
|------|---------------|----------|--------|-------------------|-------|-------------|-------------|---------------|-------|-------------|
| | B.M.H. | Em. Unit | P.A.I. | Private Nsg. Home | Total | Mun. M/W | Notified by | | Total | |
| | | | | | | | Private M/W | Dr. & Parents | | |
| 1935 | — | — | 20 | 112 | 132 | — | 681 | 527 | 1,208 | 1,340 |
| 1936 | 28 | — | 42 | 202 | 272 | — | 770 | 423 | 1,193 | 1,465 |
| 1937 | 445 | — | 19 | 169 | 633 | 124 | 527 | 390 | 1,041 | 1,674 |
| 1938 | 540 | — | 26 | 172 | 738 | 477 | 271 | 210 | 958 | 1,696 |
| 1939 | 568 | 84 | 38 | 166 | 856 | 583 | 131 | 109 | 823 | 1,679 |
| 1940 | 588 | 175 | 21 | 194 | 978 | 674 | — | 106 | 780 | 1,758 |
| 1941 | 583 | 504 | 46 | 216 | 1,349 | 463 | — | 162 | 625 | 1,974 |
| 1942 | 576 | 681 | 58 | 329 | 1,644 | 508 | 3 | 196 | 707 | 2,351 |
| 1943 | 533 | 535 | 115 | 467 | 1,650 | 451 | 1 | 224 | 676 | 2,326 |
| 1944 | 631 | 699 | 190 | 508 | 2,028 | 534 | 39 | 156 | 729 | 2,757 |
| 1945 | 610 | 621 | 114 | 476 | 1,821 | 407 | 50 | 62 | 519 | 2,340 |

TABLE 8.
STILLBIRTHS.‡

| Cause | B.M.H. | Em. Unit | L. & D.H. | St. Mary's Hosp. | Doctor | Midwife | Nursing Home | Total |
|---------------------------------|--------|-------------|--------------|------------------------|--------|---------|-----------------|-------|
| Maternal Toxæmia | 1 | 2 | — | — | — | 1 | 1 | 5 |
| Chronic Maternal Disease ... | 1 | — | — | — | — | — | — | 1 |
| Foetal malforma- tion ... | 5 | 2 | — | — | — | 1 | 1 | 9 |
| Prematurity ... | — | 1 | — | — | — | — | — | 1 |
| Complications of labour ... | 12 | 4 | — | 2 | 1 | 3 | 7 | 29 |
| Other ... | 2 | 5* | — | 1† | 1 | 1 | 6ø | 16 |
| Total ... | 21 | 14 | — | 3 | 2 | 6 | 15 | 61 |

‡ Excluding outcome of multiple pregnancies.

* 4 Macerated.

† Macerated.

ø 2 Macerated.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1 (A). BACTERIOLOGICAL AND PATHOLOGICAL WORK.

(Municipal laboratory)

| | | | | | | |
|--|-----|-----|-----|-----|-----|-------|
| Total number of examinations carried out | ... | ... | ... | ... | ... | 6,379 |
| Public Health Department | ... | ... | ... | ... | ... | 4,319 |
| Other Local Authorities | ... | ... | ... | ... | ... | 503 |
| Beds. County Council | ... | ... | ... | ... | ... | 151 |
| Dunstable Borough | ... | ... | ... | ... | ... | 53 |
| Leighton Buzzard U.D.C. | ... | ... | ... | ... | ... | 96 |
| Luton R.D.C. | ... | ... | ... | ... | ... | 98 |
| Isolation Hospital, Dunstable | ... | ... | ... | ... | ... | 34 |
| Other Authorities | ... | ... | ... | ... | ... | 71 |
| Luton Children's Hospital | ... | ... | ... | ... | ... | 725 |
| Beds. National Health Insurance Committee | ... | ... | ... | ... | ... | 336 |
| Pathologist's private practice | ... | ... | ... | ... | ... | 506 |
| Bacteriological examinations | ... | ... | ... | ... | ... | 4,908 |
| Diphtheria | ... | ... | ... | ... | ... | 1,785 |
| Biological | ... | ... | ... | ... | ... | 26 |
| Complement fixation tests (not performed in this laboratory) | | | | | | 191 |
| Other examinations | ... | ... | ... | ... | ... | 2,906 |
| Biochemistry | ... | ... | ... | ... | ... | 215 |
| Blood examinations | ... | ... | ... | ... | ... | 78 |
| Urine examinations | ... | ... | ... | ... | ... | 84 |
| Miscellaneous examinations | ... | ... | ... | ... | ... | 53 |
| Sanitary Investigations | ... | ... | ... | ... | ... | 404 |
| Water investigations | ... | ... | ... | ... | ... | 236 |
| Milk , , | ... | ... | ... | ... | ... | 147 |
| Miscellaneous , , | ... | ... | ... | ... | ... | 21 |
| Haematology | ... | ... | ... | ... | ... | 750 |
| Histology | ... | ... | ... | ... | ... | 50 |
| Post mortem examinations | ... | ... | ... | ... | ... | 52 |

1 (B). PROFESSIONAL NURSING IN THE HOME.

No change.

1 (C). CLINICS AND TREATMENT CENTRES.

No change.

TABLE 9.

NUMBER OF ATTENDANCES AT ANTE-NATAL CLINICS
DURING THE YEAR 1945.

| 1945 | Maternity Hospital | | Beechwood Health Centre | | Total Att'ces | Post- Natal Clinic Total Attends | School for Mothers Total Attends |
|---------------|-----------------------|------------------|----------------------------|------------------|------------------|--|--|
| | First Attends | Subs. Attends | First Attends | Subs. Attends | | | |
| January ... | 8 | 235 | 135 | 872 | 1,250 | 59 | 12 |
| February ... | 7 | 270 | 113 | 698 | 1,088 | 58 | 38 |
| March ... | 4 | 341 | 103 | 665 | 1,113 | 68 | 36 |
| April ... | 9 | 252 | 116 | 675 | 1,052 | 56 | 30 |
| May ... | 4 | 265 | 98 | 680 | 1,047 | 49 | 36 |
| June ... | 6 | 271 | 101 | 664 | 1,042 | 50 | 21 |
| July ... | 5 | 229 | 111 | 732 | 1,077 | 50 | 24 |
| August ... | 5 | 270 | 110 | 553 | 938 | 32 | 48 |
| September ... | 4 | 260 | 130 | 597 | 991 | 38 | 9 |
| October ... | 11 | 250 | 140 | 763 | 1,164 | 66 | 37 |
| November ... | 7 | 339 | 149 | 689 | 1,184 | 61 | 50 |
| December ... | 7 | 264 | 115 | 611 | 997 | 29 | 23 |
| Totals ... | 77 | 3,246 | 1,421 | 8,199 | 12,943 | 616 | 364 |

TABLE 10.

ATTENDANCES AT ANTE-NATAL CLINICS, 1935—1945.

| | | | | | First Attendances | Subsequent Attendances | Total Attendances |
|------|-----|-----|-----|-----|----------------------|---------------------------|----------------------|
| 1935 | ... | ... | ... | ... | — | — | 535 |
| 1936 | ... | ... | ... | ... | 384 | 1,035 | 1,419 |
| 1937 | ... | ... | ... | ... | 927 | 3,264 | 4,191 |
| 1938 | ... | ... | ... | ... | 1,018 | 3,686 | 4,704 |
| 1939 | ... | ... | ... | ... | 1,616 | 3,967 | 4,960 |
| 1940 | ... | ... | ... | ... | 1,630* | 6,782* | 8,412* |
| | | | | | 695 | 2,025 | 2,720 |
| 1941 | ... | ... | ... | ... | 2,022* | 8,416* | 10,438* |
| | | | | | 587 | 1,788 | 2,375 |
| 1942 | ... | ... | ... | ... | 2,136* | 12,729* | 14,865* |
| | | | | | 652 | 3,022 | 3,674 |
| 1943 | ... | ... | ... | ... | 2,038* | 13,470* | 15,508* |
| | | | | | 611 | 2,855 | 3,466 |
| 1944 | ... | ... | ... | ... | 2,170* | 15,092* | 17,362* |
| | | | | | 535 | 2,020 | 2,555 |
| 1945 | ... | ... | ... | ... | 1,918* | 12,930* | 14,848* |
| | | | | | 420 | 1,485 | 1,905 |

* Includes Municipal Midwives figures shown immediately below.

TABLE 11.

NUMBER OF CONSULTATIONS, WEIGHINGS, ETC., AT INFANT WELFARE CENTRES, DURING THE YEARS 1940—1945.

| | First Attendances | | No. on Register at end of year | Consulta- tions | Infants weighed |
|-------------|-------------------|-----------|--------------------------------|--------------------|-----------------|
| | Under 1 year | 1-5 years | | | |
| 1940 | 1,619 | 455 | 4,147 | 6,334 | 31,965 |
| 1941 | 1,427 | 525 | 4,085 | 4,952 | 32,990 |
| 1942 | 1,449 | 209 | 3,865 | — | 21,124 |
| 1943 | 1,508 | 132 | 3,829 | — | 28,262 |
| 1944 | 2,199 | 262 | 3,996 | — | 33,223 |
| 1945 | 1,645 | 128 | 3,585 | — | 30,364 |

INSTITUTE OF RAY THERAPY.

184 Cases were treated at the Institute on behalf of the Local Authority.
Lump sum payment £50.

DENTAL CLINIC.

Adults—

| | | | | | | | |
|--|-----|-----|-----|-----|-----|-------------|-----|
| No. of sessions | ... | ... | ... | ... | ... | ... | 46 |
| No. of patients referred | ... | ... | ... | ... | ... | ... | 113 |
| No. of patients who attended | ... | ... | ... | ... | ... | ... | 111 |
| No. of attendances made | ... | ... | ... | ... | ... | ... | 418 |
| No. of cases in which dentures were supplied | ... | ... | ... | ... | ... | ... | 15 |
| Cost of dentures | ... | ... | ... | ... | ... | £79 2s. 6d. | |
| Amount recoverable from patients | ... | ... | ... | ... | ... | £79 2s. 6d. | |

Children—

| | | | | | | |
|------------------------------|-----|-----|-----|-----|-----|-----|
| No. of patients referred | ... | ... | ... | ... | ... | 104 |
| No. of patients who attended | ... | ... | ... | ... | ... | 95 |
| No. of attendances made | ... | ... | ... | ... | ... | 172 |

NATIONAL SOCIETY FOR THE PREVENTION OF CRUELTY TO CHILDREN.

During the year 1945 the Inspectors were responsible for dealing with 93 cases on behalf of the Department.

TABLE 12.
HOME VISITS BY HEALTH VISITORS.

| | Children under 1 year | | Children 1-5 years | | Expectant Mothers | | Special Visits Infectious Disease, etc. | Infant Life Protection | Total Visits |
|----------|-----------------------|-----------|--------------------|-----------|-------------------|-----------|---|------------------------|--------------|
| | First Visits | Re-Visits | First Visits | Re-Visits | First Visits | Re-Visits | | | |
| 1938 ... | 1,555 | 5,475 | 467 | 11,786 | 366 | 149 | 1,354 | 399 | 21,551 |
| 1939 ... | 1,656 | 5,590 | 863 | 10,762 | — | 503 | 4,530 | 352 | 23,156 |
| 1940 ... | 1,679 | 3,993 | 239 | 8,099 | — | 325 | 6,376 | 205 | 20,196 |
| 1941 ... | 1,963 | 5,008 | 112 | 8,583 | — | 219 | 5,422 | 131 | 21,438 |
| 1942 ... | 2,203 | 5,698 | 273 | 7,765 | — | 56 | 8,665 | 65 | 24,725 |
| 1943 ... | 1,986 | 8,594 | 45 | 8,603 | — | 238 | 4,997 | 203 | 24,666 |
| 1944 ... | 2,760 | 7,981 | 173 | 7,451 | — | 171 | 3,980 | 288 | 22,804 |
| 1945 ... | 2,608 | 6,233 | 183 | 8,399 | — | 66 | 3,417 | 489 | 21,395 |

BURY PARK CLEANSING STATION.

| | | | | | |
|---|-----|-----|-----|-----|-------|
| Total attendances at cleansing station | ... | ... | ... | ... | 5,149 |
| Number of treatments by bathing | ... | ... | ... | ... | 2,508 |
| Number of heads cleansed | ... | ... | ... | ... | 1,148 |
| Number of individual cases of scabies treated during the year | ... | ... | ... | ... | 1,403 |
| Number of follow-up visits paid to homes | ... | ... | ... | ... | 127 |

PUBLIC HEALTH ACT, 1936, PART VII. CHILD LIFE PROTECTION.

| | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| Number of persons who were receiving children for reward at the end of the year | ... | ... | ... | ... | ... | ... | ... | 22 |
| Number of children : | | | | | | | | |
| (a) At the end of the year | ... | ... | ... | ... | ... | ... | ... | 22 |
| (b) Who died during the year | ... | ... | ... | ... | ... | ... | ... | 1 |
| (c) On whom inquests were held during the year | ... | ... | ... | ... | ... | ... | ... | — |
| Number of child protection visitors at the end of the year who were : | | | | | | | | |
| (a) Health visitors... | ... | ... | ... | ... | ... | ... | ... | 1 |
| (b) Female, other than health visitors | ... | ... | ... | ... | ... | ... | ... | — |
| (c) Male | ... | ... | ... | ... | ... | ... | ... | 2 |
| Number of other authorised visitors | ... | ... | ... | ... | ... | ... | ... | Nil |
| Proceedings taken during the year | ... | ... | ... | ... | ... | ... | ... | Nil |

ADMINISTRATION OF THE MIDWIVES' ACTS.

Distribution of Midwives, 31st December, 1945.

| | | | |
|------------------------------------|-----|-----|----|
| (a) Private Practice (Independent) | ... | ... | 2 |
| (b) Municipal Midwives | ... | ... | 7 |
| (c) In Private Nursing Homes | ... | ... | 5 |
| (d) Public Assistance Institution | ... | ... | 10 |
| (e) Borough Maternity Hospital | ... | ... | 16 |

TABLE 13.
NOTIFICATIONS RECEIVED FROM MIDWIVES.

| | Nursing Homes | Muni- cipal Mdwves. | P.A.I. | Mat. Hosp. & Ext. | Inde- pendent Practice | Total |
|---|------------------|---------------------------|--------|-------------------------|------------------------------|-------|
| (a) Intention to practise ... | 9 | 10 | 10 | 19 | 2 | 50 |
| (b) Intention to cease prac- tise | — | — | — | — | — | — |
| (c) Change of address ... | — | — | — | — | — | — |
| (d) Change of name ... | — | — | — | — | — | — |
| (e) Sending for medical help | 1 | 60 | — | — | — | 61 |
| (f) Stillbirths occurring in practice | — | 5 | — | — | — | 5 |
| (g) Deaths occurring in practice— | | | | | | |
| (i) Mothers ... | — | — | — | — | — | — |
| (ii) Infants | — | — | — | — | — | — |
| (h) Laying out the dead ... | 3 | 8 | — | — | — | 11 |
| (i) Liability to be a source of infection | 1 | 3 | — | — | 1 | 5 |
| (j) Substitution of artificial feeding | 6 | 10 | — | — | — | 16 |

Supervisor of Midwives.

| | |
|--|-------|
| Routine inspection visits | — |
| " " " (Midwife out) | — |
| Special enquiry visits in respect of notifications : | |
| (a) Medical help | 47 |
| (b) Stillbirths | 24 |
| (c) Deaths occurring in practice | — |
| (d) Ophthalmia Neonatorum ... | — |
| (e) Laying out the dead ... | — |
| (f) To supervise disinfection ... | — |
| Other visits : | |
| Puerperal Pyrexia | 3 |
| Home helps | 57 |
| Nursing mothers | 91 |
| Labour visits | — |
| Nursing Homes | 47 |
| Administration of Gas and Air Analgesia ... | — |
| Ante-Natal and Post-Natal | 128 |
| Administration | 655 |
| Total | 1,052 |
| Ante-Natal Clinics attended | 174 |

Medical Aid.

During the year medical aid was sought in 60 of the midwives' cases.

During this period 57 accounts amounting to £98 4s. 0d. were received from medical practitioners for services rendered in response to requests for medical help from midwives, and the sum of £77 11s. 11d. is recoverable from patients.

TABLE 14.
NUMBER OF CASES ATTENDED BY MIDWIVES.

| District Number | Acting as Midwife | Acting as Maternity Nurse | Total |
|-----------------|-------------------|---------------------------|-------|
| 1 | 22 | 9 | 31 |
| 2 | 26 | 20 | 46 |
| 3 | 42 | 22 | 64 |
| 4 | 42 | 19 | 61 |
| 5 | 34 | 20 | 54 |
| 6 | 31 | 27 | 58 |
| 7 | 31 | 20 | 51 |
| 8 | 21 | 22 | 43 |
| Total | 249 | 159 | 408 |

TABLE 15.
NUMBER OF VISITS PAID BY MIDWIVES.

| District Number | Expectant Mothers | Nursing Mothers | Post-Natal | Total |
|-----------------|-------------------|-----------------|------------|--------|
| 1 | 644 | 1,542 | 67 | 2,253 |
| 2 | 243 | 524 | 75 | 842 |
| 3 | 459 | 1,632 | 65 | 2,156 |
| 4 | 568 | 1,196 | 162 | 1,926 |
| 5 | 408 | 1,182 | 79 | 1,669 |
| 6 | 193 | 768 | 78 | 1,039 |
| 7 | 734 | 1,545 | 182 | 2,461 |
| 8 | 126 | 766 | 72 | 964 |
| Total ... | 3,375 | 9,155 | 780 | 13,310 |

TABLE 16. NUMBER OF PATIENTS ATTENDING
MIDWIVES' ANTE-NATAL CLINICS.

| District Number | No. of Clinics | No. of First Attendances | Subsequent Attendances | Total |
|-----------------|----------------|--------------------------|------------------------|-------|
| 1 | 16 | 60 | 162 | 222 |
| 2 | 18 | 30 | 130 | 160 |
| 3 | 25 | 53 | 264 | 317 |
| 4 | 21 | 50 | 240 | 290 |
| 5 | 24 | 70 | 202 | 272 |
| 6 | 22 | 34 | 119 | 153 |
| 7 | 23 | 77 | 200 | 277 |
| 8 | 22 | 46 | 168 | 214 |
| Total ... | 171 | 420 | 1,485 | 1,905 |

TABLE 17.
NUMBER OF PATIENTS ATTENDING CONSULTANT CLINICS.

| District Number | No. of Clinics Attended | Attendances of Patients | | Total |
|-----------------|-------------------------|-------------------------|------------|-------|
| | | Ante-natal | Post-natal | |
| 1 | 28 | 102 | 14 | 116 |
| 2 | 21 | 57 | 4 | 61 |
| 3 | 29 | 71 | 14 | 85 |
| 4 | 5 | 79 | 7 | 86 |
| 5 | 21 | 66 | 12 | 78 |
| 6 | 20 | 27 | 1 | 28 |
| 7 | 30 | 104 | 9 | 113 |
| 8 | 16 | 34 | 1 | 35 |
| Total ... | 170 | 540 | 62 | 602 |

TABLE 18.

LEGITIMATE LIVE BIRTHS OCCURRING IN THE MUNICIPAL
MIDWIFERY SERVICE DURING 1945.

(excluding multiple births)

The number of previous pregnancies (irrespective of outcome) being

| Age of Mother at Maternity Years | Pregnancy Order (including present pregnancy) | | | | | | | | | Total |
|---|---|-----|----|----|----|----|---|---|----|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9+ | |
| 15-20 | 6 | 2 | — | — | — | — | — | — | — | 8 |
| 20-25 | 29 | 25 | 6 | — | — | — | — | — | — | 60 |
| 25-30 | 16 | 37 | 31 | 11 | 6 | — | 1 | 1 | — | 103 |
| 30-35 | 13 | 26 | 32 | 19 | 12 | 5 | 1 | 1 | 1 | 110 |
| 35-40 | — | 15 | 16 | 13 | 9 | 6 | 4 | 4 | 3 | 70 |
| 40-45 | 1 | 3 | 9 | 5 | 3 | 4 | — | 2 | 1 | 28 |
| 45+ | — | — | — | — | — | — | — | — | 1 | 1 |
| All Ages | 65 | 108 | 94 | 48 | 30 | 15 | 6 | 8 | 6 | 380 |

Multiple births ... 2 Illegitimate births 11
 Stillbirths ... 6

TABLE 19.

NURSING HOMES REGISTRATION, Public Health Act, 1936.

| Name of Nursing Home | Date of Registra- tion with Luton Borough Council | DIVISION OF BEDS | | | |
|-------------------------|---|------------------|----------|---------|-------|
| | | Maternity | Surgical | Medical | Total |
| Westdale | 1.7.36 formerly with Beds. C.C. | 5 | — | — | 5 |
| The Haven | 1.7.36 formerly with Beds. C.C. | 4 | — | — | 4 |
| The Mount | 5.6.45 | 12 | — | — | 12 |
| TOTALS | | 21 | — | — | 21 |

During the year 60 women were delivered in the Westdale Nursing Home, 85 in the Haven Nursing Home, 57 in the Mount Nursing Home, and 173 in the Chase Nursing Home.

The keeper of the Chase Nursing Home surrendered the certificate of registration on 6.11.45.

BOROUGH MATERNITY HOSPITAL.
Clinical and Administrative Statistics.

| | <i>Borough Maternity Hospital.</i> | <i>Extension</i> | <i>Total.</i> |
|--|--|------------------|---------------|
| No. of patients in hospital—1.1.45 ... | 26 | 25 | 51 |
| No. of patients admitted during the year | 683 | 690 | 1,373 |
| No. of Patients discharged during the year | 686 | 697 | 1,383 |
| No. of patients in hospital—31.12.45 ... | 23 | 18 | 41 |
| No. of patients died during the year ... | — | 1 | 1 |
| Admissions : | | | |
| No. of patients admitted for confinement— | | | |
| Borough | 433 | 600 | 1,033 |
| Other | 170 | 37 | 207 |
| No. of patients admitted for ante-natal or post-natal treatment— | | | |
| Borough | 50 | 49 | 99 |
| Others | 30 | 4 | 34 |
| | 683 | 690 | 1,373 |
| No. of patient days* : | | | |
| (a) Ante-natal or post-natal treatment | 553 | 325 | 878 |
| (b) Confinements... .. | 8,478 | 8,587 | 17,065 |
| (c) Total | 9,031 | 8,912 | 17,943 |
| Average duration of stay of women delivered in hospital | | | |
| Daily average for the year | 14.06 days | 13.99 days | — |
| Maximum number of patients on any one day | 24 | 25 | 49 |
| day | 32 | 34 | — |
| Number of patients delivered by : | | | |
| (a) Midwives | 529 | 576 | 1,105 |
| (b) Doctors | 53 | 45 | 98 |
| Operations performed : | | | |
| Forceps delivery | 31 | 31 | 62 |
| Caesarean Section | 2 | — | 2 |
| Caesarean Section and sterilisation | 2 | — | 2 |
| Hysterotomy and Sterilisation | 4 | — | 4 |
| Ruptured membranes for induction of labour | 7 | 10 | 17 |
| Manual removal of placenta | 4 | 7 | 11 |
| Perineal tear | 72 | 64 | 136 |
| Other operations | 19 | 20 | 39 |
| Forceps rate... .. | 5.3% | 5.0% | |
| No. of deliveries | 582 | 621 | 1,203 |

*Includes patient-days at Chaul End Nursery Building.

| | | | | <i>Borough Maternity Hospital</i> | <i>Extension</i> | <i>Total</i> |
|---|-----|-----|-----|---|------------------|--------------|
| No. of viable children born | ... | ... | ... | 569 | 613 | 1,182 |
| No. of stillbirths | ... | ... | ... | 21 | 14 | 35 |
| No. of infantile deaths | ... | ... | ... | 11 | 5 | 16 |
| Miscarriages | ... | ... | ... | 10 | 6 | 16 |
| Causes of infantile death : | | | | | | |
| Birth injury with shock or asphyxia | ... | ... | ... | 2 | 2 | 4 |
| Congenital heart disease, Spina Bifida, Anencephalus | ... | ... | ... | 1 | — | 1 |
| Hydrocephalus | ... | ... | ... | — | — | — |
| Cleft palate : debility | ... | ... | ... | 4 | 1 | 5 |
| White asphyxia | ... | ... | ... | 2 | — | 2 |
| Enteritis | ... | ... | ... | — | 1 | 1 |
| Icterus Neonatorum | ... | ... | ... | — | — | — |
| Broncho-pneumonia | ... | ... | ... | — | 1 | 1 |
| Prematurity | ... | ... | ... | 2 | — | 2 |
| Feeding : | | | | | | |
| No. of infants wholly breast fed on leaving institution | ... | ... | ... | 464 | 485 | 949 |
| No. of infants who at any time received a supplementary or complementary feed | ... | ... | ... | 107 | 123 | 230 |

TABLE 20. LEGITIMATE LIVE BIRTHS OCCURRING IN THE COUNCIL'S MATERNITY INSTITUTIONS DURING 1945 (excluding multiple births).

The number of previous pregnancies (irrespective of outcome) being :

| Age of Mother at Maternity | Pregnancy Order (including present pregnancy) | | | | | | | | | Total |
|----------------------------------|---|-----|-----|----|----|----|----|---|----|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9+ | |
| Years | | | | | | | | | | |
| 15-20 | 42 | 8 | — | 1 | — | — | — | — | — | 51 |
| 20-25 | 214 | 88 | 22 | 5 | 1 | 2 | — | — | — | 332 |
| 25-30 | 113 | 105 | 44 | 6 | 8 | 3 | 1 | — | — | 280 |
| 30-35 | 65 | 86 | 63 | 24 | 8 | 6 | 2 | — | — | 254 |
| 35-40 | 19 | 49 | 41 | 32 | 11 | 4 | 5 | 3 | 6 | 170 |
| 40-45 | 4 | 4 | 9 | 8 | 5 | 2 | 2 | — | 1 | 35 |
| 45+ | — | — | — | — | — | — | — | — | 2 | 2 |
| All ages | 457 | 340 | 179 | 76 | 33 | 17 | 10 | 3 | 9 | 1,124 |

Multiple Births 15 (In one case one of a twin pair Stillborn). Stillbirths 35.
Illegitimate Births 43.

Training School : Midwifery—Part II.

No. of pupil midwives who passed the examination of the
Central Midwives Board during the year

THE CHAUL END MATERNITY UNIT.

The Chaul End Nursery building was opened as a temporary maternity unit on the 7th June, 1945. Women delivered at the Borough Maternity Hospital and Extension were transferred to the unit during the late puerperium, and in addition 31 women were admitted there for ante-natal treatment. Patient days spent by women in this unit have been taken into account in the figures relating to the average duration of stay of women delivered in the Maternity Hospital and the Extension (p.22).

| | | | | | <i>Patient days Chaul End Unit</i> | | |
|---|-----|-----|-----|-----|------------------------------------|----------------------------|---------------|
| | | | | | <i>Hospital Patients.</i> | <i>Extension Patients.</i> | <i>Total.</i> |
| (a) Ante-natal and Post-natal treatment | | | | | 31 | — | 31 |
| (b) Puerperium | ... | ... | ... | ... | 522 | 1,202 | 1,724 |
| Total | ... | ... | ... | ... | 553 | 1,202 | 1,755 |

SPITTLESEA ISOLATION HOSPITAL.

TABLE 21.

SPITTLESEA HOSPITAL ADMISSIONS

(According to diagnosis at admission).

| | Scarlet Fever | Diphtheria | Cerebro- spinal Fever | Puerperal Pyrexia | Other* | No. of Patient days |
|--------------|------------------|------------|-----------------------------|----------------------|--------|---------------------------|
| January ... | 1 | 1 | 3 | — | 21 | 426 |
| February ... | 8 | 2 | — | — | 13 | 346 |
| March ... | 2 | 1 | — | 1 | 16 | 362 |
| April ... | 6 | 2 | 3 | — | 13 | 341 |
| May ... | 2 | 4 | 1 | — | 7 | 270 |
| June ... | 2 | — | — | — | 8 | 206 |
| July ... | 2 | — | — | — | 7 | 212 |
| August ... | 1 | 2 | 1 | 1 | 8 | 202 |
| September | 6 | 1 | 1 | 1 | 7 | 260 |
| October ... | 2 | 4 | — | 2 | 8 | 259 |
| November | 6 | 4 | — | — | 4 | 342 |
| December | 7 | 5 | — | — | 5 | 351 |
| Total ... | 45 | 26 | 9 | 5 | 117 | 3,577 |

*Other cases total for year include: Measles 30, Whooping Cough 9, Meningitis 5, Pemphigus 10, Dysentery 12.

SPITTLESEA ISOLATION HOSPITAL.

| | | |
|---|--------|-----|
| Available bed days | 20,805 | |
| Actual bed days of patients... | 3,577 | |
| Percentage of bed occupation | 17.19% | |
| Maximum number of patients on any one day | 17 | |
| Minimum number of patients on any one day | 4 | |
| No. of patients in hospital 31.12.44 | 11 | |
| No of patients admitted during the year | 202 | |
| | <hr/> | 213 |
| No. of patients discharged well | 189 | |
| No. of patients who died | 9 | |
| No. of patients remaining in hospital 31.12.1945 | 15 | |
| | <hr/> | 213 |

SICK BAY

| | | |
|---|--------|-----|
| Available bed days | 4,368 | |
| Actual bed days of patients... | 3,081 | |
| Percentage of bed occupation | 70.53% | |
| Maximum number of patients on any one day | 13 | |
| Minimum number of patients on any one day | 3 | |
| No. of patients in hospital 31.12.1944 | 5 | |
| No. of patients admitted during the year | 95 | |
| | <hr/> | 100 |
| No. of patients discharged well | 90 | |
| No. of patients who died | — | |
| No. of patients remaining in hospital 31.12.1945 | 10 | |
| | <hr/> | 100 |

REPORT

OF THE

Chief Sanitary Inspector

Public Health Department,
Town Hall,
LUTON.

1st January, 1946.

The Worshipful the Mayor, Aldermen and
Councillors of the Borough of Luton.

Ladies and Gentlemen,

My report this year shows a decrease in the number of routine visits made for all purposes, also in the number of milk samples taken for Bacteriological and Chemical examination by the Local Authority. This decrease was inevitable as the inspectorial staff was considerably depleted by three inspectors leaving the service of the Corporation, and the failure to replace them quickly, because of the housing shortage.

The more essential duties have been maintained throughout the year. Animals for food, slaughtered in the town have received 100% inspection and the report shows an increase in the total amount of food certified as unfit for human consumption.

Several outbreaks of Swine Fever occurred during the year and 66 carcasses of pigs were destroyed as being suspect. Because disinfection of vehicles is necessary in outbreaks of diseases of animals, arrangements have been made for disinfection at the Highway Depot.

The number of nuisances reported and the Statutory Notices served has increased, which may reasonably indicate the deterioration in house property throughout the War years and a shortage of materials and building labour.

It will be noted that overcrowding figures have risen considerably, and although more overcrowding cases have been reported as complaints to the Department, many were discovered through the Luton Survey.

Rats and Mice Destruction has kept two operatives fully employed and the rats and mice killed computed on the Ministry of Food formula total 19,703.

During the latter part of the year a course of studies in Mammalian Biology commenced, which has proved instructive and interesting and I thank the Medical Officer of Health, Biologist and Pathologist for their co-operation.

I have the honour to be,

Your obedient Servant,

ARTHUR J. NICHOLS
Chief Sanitary Inspector.

SANITARY CIRCUMSTANCES OF THE AREA.

GENERAL.

Luton, which has an area of 8,736 acres, is situated in a valley between the Chiltern Hills at 200 to 400 feet above sea level in the town, rising to 400 to 600 feet above sea level on the surrounding hills. It is mainly built upon the upper chalk, with loam and clay deposits.

Meteorology.—The Luton Meteorological Station, which is under the control of the Botolph Engineer, is situated in Wardown Park, New Bedford Road, from which the following observations were taken :—

Sunshine.—1,342.8 hours of sunshine were recorded through 11 months of the year. Because of circumstances beyond control, sunshine was not recorded in January. The sunniest day being the 19th June, 1945, when 14.7 hours were recorded.

Rainfall.—The total rainfall recorded during the year was 21.48 inches, the wettest day being the 14th July, 1945, when .99 inch of rain was recorded.

Temperatures.—The maximum temperature during the year was 84° F., recorded on the 4th August, 1945, and the minimum temperature was 17° F., on the 27th February, 1945, the mean temperature being 50.27° F.

Wind.—The prevailing wind during year was west.

WATER SUPPLY.

Luton has an abundant supply of excellent water which is distributed throughout the Borough by the Luton Water Company, and is derived from deep wells in the chalk situated in Crescent Road and Runley Wood. Chlorination of the supply is carried out, the average amount of chlorine pumped into the supply being .21 parts per million.

From information received from the Luton Water Company, the total amount of water supplied during the year ended 31st December, 1945, was 1,645,578,853 gallons. Assuming a population of 100,000 the total number of gallons used per head per day was approximately 45, an average of 21½ gallons per head per day for industrial purposes, and 23½ gallons per head per day for domestic use.

New extensions of water mains during the year amounted to five. They were : Legrave Housing Estate, Hart Lane Housing Estate, Bramingham Road, Sundon Road, and Legrave Park.

In the new portion of the Borough, which was incorporated in April, 1933, there are still thirty houses which obtain their supply from driven tube wells.

Samples of water are taken regularly from the town mains at various points within the Borough and from other sources of supply for chemical and bacteriological examination.

The following is a summary of the samples of water taken during the year from all sources. Details of samples which were adversely reported upon are given below.

| | | |
|--|--------|-----------------|
| Number of samples of water examined by the Public Analyst | ... | 1 |
| Number of samples of water examined by the Local Authority | ... | 198 |
| Total | ... .. | <hr/>199 <hr/> |

Number of samples of water obtained from :—

| | | |
|--------------------------------|--------|-----------|
| Crescent Road Pumping Station | ... | 98 |
| Runley Wood Pumping Station | ... | 99 |
| Domestic Supplies (Town Mains) | ... | — |
| Shallow and Deep Wells, etc. | ... | 2 |
| Other sources | ... .. | — |
| | | <hr/> 199 |

Number of samples found upon examination to be satisfactory 196

Number of samples found upon examination to be unsatisfactory—

Presence of Bacillus Coli 3

199

SEWERAGE AND SEWAGE DISPOSAL

The drainage of the Borough is on the separate system, except in the old part of the Borough which is semi separate.

The soil water sewage is dealt with at the New Mill End Sewage Purification Works by sedimentation, burning, and filtration, the effluent being discharged into the River Lea at New Mill End.

CLOSET ACCOMMODATION.

The following table shows the number of pail closets, earth closets and cesspools in the Borough at the end of December, 1945 :—

| | | |
|---------------|-----|-----|
| Pail closets | ... | 34 |
| Earth closets | ... | 0 |
| Cesspools | ... | 161 |

During the year no cesspools were abolished.

All pail closets are emptied either once or twice weekly between the hours of 10 p.m. and 6 a.m.

Cesspools are emptied by means of mechanical plant as and when required.

PUBLIC CLEANSING—REFUSE DISPOSAL

The following information is supplied by the Director of Public Cleansing.

The system of refuse disposal is wholly controlled tipping. The weight of house and trade refuse disposed of during the year was 18,424 tons, 5 cwts., 2 qrs.

At the beginning of the year the frequency of collection was once in seven weeks owing to labour shortage, but an improvement was attained during the summer period, and during the latter part of the year the collections were at the rate of once in two weeks.

SANITARY INSPECTION OF THE AREA.

NUMBER AND NATURE OF INSPECTIONS MADE.

| | | | |
|--|-----|-----|-------|
| Complaints reported to Public Health Department | ... | ... | 1,242 |
| Primary Inspection :— | | | |
| Where nuisances were found | ... | ... | 1,254 |
| Where complaint was received and no nuisance found | ... | ... | 120 |
| Under Housing Acts | ... | ... | 15 |
| Under Rent Restriction Acts | ... | ... | 1 |
| Where Infectious Disease has occurred | ... | ... | 250 |
| Bakehouses | ... | ... | 58 |
| Caravans, Tents, etc. | ... | ... | 9 |
| Common Lodging Houses | ... | ... | 2 |
| Cowsheds | ... | ... | 7 |
| Dairies and Milkshops | ... | ... | 222 |
| Factories and Work Places | ... | ... | 106 |
| Fish Frying Premises | ... | ... | 21 |
| Fish Curing Premises | ... | ... | 2 |
| Food Preparing Premises | ... | ... | 65 |
| Food Preparing Premises (Ice Cream) | ... | ... | 23 |
| Food Storage Premises | ... | ... | 113 |
| Markets and Shops | ... | ... | 440 |
| Marine Stores | ... | ... | 1 |
| Military Billets | ... | ... | 42 |
| Offensive Trades | ... | ... | 2 |
| Outworkers Premises | ... | ... | 14 |
| Restaurant Kitchens | ... | ... | 47 |
| Slaughterhouses (for meat inspection) | ... | ... | 1,667 |
| Schools | ... | ... | 9 |
| Stables and Piggeries | ... | ... | 5 |
| Theatres and Amusement Halls | ... | ... | 33 |
| Urinals—Public and Private | ... | ... | 7 |

OTHER VISITS OR INSPECTIONS.

| | |
|--|--------|
| Drainage. Number of drains tested or exposed | 41 |
| Interviews | 734 |
| Investigations of Infestations of Insect pests (excluding bugs and fleas) | 43 |
| Smoke Observations | 23 |
| Visits to obtain Water Samples for Analysis | 199 |
| „ Rats and Mice Destruction | 587 |
| „ under The Food and Drugs Act, for Samples, etc. | 401 |
| „ to property under notice or work in progress | 2,870 |
| Miscellaneous visits | 1,068 |
| | <hr/> |
| | 10,501 |
| | <hr/> |

ABATEMENT OF NUISANCES.

| | |
|--|-----|
| Drainage reconstructed | 8 |
| „ repaired, trapped, etc. | 33 |
| „ unstopped | 139 |
| Chambers constructed | 4 |
| Repairs to chambers or new covers | 10 |
| Cesspools emptied because of overflow | 2 |
| Soil or vent pipes—new fixed | 0 |
| „ „ repaired | 3 |
| Water closets—repaired or supplied with water | 218 |
| „ „ new pans or pedestals fixed | 28 |
| „ „ additional constructed | 4 |
| „ „ abolished | 4 |
| Waste Pipes—repaired or trapped | 21 |
| „ „ or R.W.P.'s disconnected from drains | 2 |
| „ „ R.W.P.'s and eaves gutters repaired | 50 |
| Sinks provided or replaced | 3 |
| Accumulations of refuse removed | 18 |
| Animals, fowls, etc. | 3 |
| Brickwork or pointings repaired | 29 |
| Coppers repaired or renewed | 16 |
| Dampness remedied | 39 |
| Damp Proof courses inserted | 0 |
| Dustbins supplied | 99 |
| Fireplaces, stoves and flues repaired | 52 |
| Flooring and other woodwork repaired or renewed | 40 |
| Floors—concrete or quarried repaired or renewed | 5 |
| Gas fittings or services repaired | 18 |
| Gullies in street unstopped | 2 |
| Overcrowding abated | 5 |
| Plaster repaired | 113 |
| Rat infestations abated | 460 |
| Rent Books made to comply with Regulations of Housing Act | 273 |
| Roofs made watertight | 86 |
| Stagnant water removed | 2 |

| | |
|--|-------|
| Walls and ceilings cleansed | 43 |
| Water supplies reinstated or made sufficient | 21 |
| Windows—Cords, fasteners and glass repaired or renewed ... | 73 |
| Verminous rooms fumigated | 510 |
| Ventilation improved | 2 |
| Ventilation—sub-floor provided | 1 |
| Yards and passages paved | 6 |
| Miscellaneous | 64 |
| Total | 2,509 |

STATUTORY NOTICES.

NUMBER OF LEGAL NOTICES ISSUED FOR ABATEMENT OR ABOLITION OF NUISANCES.

| | <i>Served</i> | <i>Complied with</i> |
|--|---------------|----------------------|
| Number of Outstanding Notices, 31st Dec., 1944 ... | 3 | 3 |
| Public Health Act, 1936. Section 39 | 6 | 5 |
| Public Health Act, 1936. Section 45 | 16 | 12 |
| Public Health Act, 1936. Section 56 | 8 | 7 |
| Public Health Act, 1936. Section 83 | 1 | — |
| Public Health Act, 1936. Section 93 | 30 | 24 |
| Luton Corporation Act, 1911. Section 36 | 12 | 9 |
| | 76 | 60 |

INFECTIOUS DISEASES.

| | |
|--|-------|
| Premises inspected where notifiable diseases have occurred ... | 250 |
| Cases removed to Isolation Hospital | 76 |
| Rooms disinfected after infectious, contagious or other disease, etc. | 316 |
| Premises where repairs or redecorations have been carried out after infectious diseases | 2 |
| Rooms where walls and ceilings were rubbed down after infectious disease | 56 |
| Visits paid to ascertain if notices to repair or redecorate have been complied with | 7 |
| Rooms disinfected by occupiers | 135 |
| Premises visited tracing infectious diseases | 48 |
| Articles disinfected by steam at request of owners | 2,403 |
| Articles destroyed by burning at request of owners | 136 |
| Total visits paid to infected premises | 623 |

DISINFECTANT.

During the year, 40 gallons of disinfecting fluid were supplied to the public, free of charge, for use in premises where cases of infectious disease, etc., had occurred.

LIBRARY BOOKS.

During the year, 605 library books were withdrawn from circulation and were disinfected before they were returned.

PUBLIC SWIMMING BATHS.

There are two Public Swimming Baths in the Borough, both owned by the Corporation.

The Public Baths are situate in Waller Street, Luton, and consist of a covered Swimming Bath, 46 Slipper Baths, and 1 Vapour Bath, whilst the Open Air Swimming Pool, situate off New Bedford Road, Luton, caters for Swimming and Bathing only.

During the season of 1945, the following number of bathers were dealt with :—

| | | | | | | <i>Waller Street Baths</i> | <i>Open Air Swimming Pool</i> |
|------------------------|-----|-----|-----|-----|-----|--------------------------------|---------------------------------------|
| Civilians | ... | ... | ... | ... | ... | 77,378 | 87,731 |
| Members of H.M. Forces | ... | ... | ... | ... | ... | 17,086 | Nil |
| Total | ... | ... | ... | ... | ... | <u>94,464</u> | <u>87,731</u> |

Chloroscope examinations of the water are carried out by the Attendants approximately three times per day, and in addition, samples of water are sent to the Public Analyst for examination every two months.

THEATRES.

Inspection of Sanitary Accommodation in the Cinemas and the Theatre has been made during the year.

Minor Sanitary defects have been attended to, and in one cinema extensive alterations to the Sanitary accommodation, in progress at the end of last year, have been completed.

ERADICATION OF BED BUGS.

During the year ended 31st December, 1945, 101 complaints of verminous premises were received, and in all instances disinfestation was carried out. Prior to disinfestation, notices were served upon the owners of the premises to remove all paper hangings, skirtings, architraves, mouldings, etc., and the premises were re-inspected before these articles were reinstated.

TABLE 22.

The following table shows the number of premises and rooms dealt with during 1945 :—

| | Number of Premises | | Number of Rooms | |
|--|----------------------|-------------|----------------------|-------------|
| | Found to be infested | Disinfested | Found to be infested | Disinfested |
| Number of Council Houses | 8 | 8 | 20 | 20 |
| Number of other Houses | 184 | 184 | 490 | 490 |
| Number of cases where disinfestation has been carried out prior to removal from Clearance Areas, etc. into new Council Houses | — | — | — | — |
| Number of cases where disinfestation has been carried out by Corporation Disinfecting Officer | 192 | 192 | 510 | 510 |
| Number of cases where disinfestation has been carried out by Occupants or Contractors | — | — | — | — |
| Number of complaints of infestation received (101) | 101 | 101 | 258 | 258 |
| Number of cases found by Sanitary Inspectors | 91 | 91 | 252 | 252 |

TABLE 23.

RATS AND MICE DESTRUCTION

Two operatives have been fully employed during the year, and the work has included the treatment of heavy infestations at the Corporation Controlled Refuse Tip, and Stockwood Park. At a large factory in the Township (black) rats were discovered and it was found that they were being imported in packing cases. Steps have been taken to prevent re-infestations.

The following table shows the amount of work carried out during 1945 :

| | Infestations notified by the public | Additional infestations found | Number of complete treatments to exterminate | Infestations cleared | Under & awaiting treatment | Estimated destroyed according to Ministry formula |
|-----------|-------------------------------------|-------------------------------|--|----------------------|----------------------------|---|
| Rats ... | 202 | 240 | 442 | 428 | 53 | 19,039 |
| Mice ... | 15 | 17 | 32 | 32 | 1 | 664 |
| Total ... | 217 | 257 | 474 | 460 | 54 | 19,703 |

THE FACTORIES ACT, 1937.

Since the Factories Act became operative, inspection of factories within the Borough has been maintained, and unsatisfactory conditions have been recorded and appropriate action taken by the Local Authority.

As a result of the inspection of Basement Bakehouses, the Local Authority resolved that they were not satisfied that the Bakehouses were suitable for use as such, and gave the owners a period of eighteen months in which to cease using these premises.

Owing to present conditions, the period of eighteen months has been extended. The position will again be reviewed in January, 1946.

INSPECTION OF FACTORIES FACTORIES, FACTORIES NO MECHANICAL POWER, AND WORKPLACES.

| | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-------|
| Premises inspected | ... | ... | ... | ... | ... | ... | ... | 2,173 |
| Premises inspected and found satisfactory | ... | ... | ... | ... | ... | ... | ... | 2,095 |
| Premises inspected and found unsatisfactory | ... | ... | ... | ... | ... | ... | ... | 78 |
| Factories where defects were found and referred by H.M. Inspector | | | | | | | | 17 |
| Reports on action taken sent to H.M. Inspector | ... | ... | ... | ... | ... | ... | ... | 17 |
| Number of defects remedied as a result of H.M. Inspector's notifications | ... | ... | ... | ... | ... | ... | ... | 29 |

LIST OF DEFECTS FOUND IN FACTORIES, FACTORIES (NO MECHANICAL POWER), AND WORKPLACES.

| | | | | | | | | |
|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|----|
| Abstract not posted | ... | ... | ... | ... | ... | ... | ... | — |
| Cleanliness, want of | ... | ... | ... | ... | ... | ... | ... | 20 |
| Dilapidations, General | ... | ... | ... | ... | ... | ... | ... | 5 |
| Dustbins required | ... | ... | ... | ... | ... | ... | ... | 1 |
| Drains choked or defective | ... | ... | ... | ... | ... | ... | ... | 7 |
| Drainage inadequate | ... | ... | ... | ... | ... | ... | ... | 3 |
| Floors defective | ... | ... | ... | ... | ... | ... | ... | 2 |
| Offensive accumulations | ... | ... | ... | ... | ... | ... | ... | 6 |
| Rat or Mice infestation | ... | ... | ... | ... | ... | ... | ... | 37 |
| Smoke Nuisances | ... | ... | ... | ... | ... | ... | ... | 2 |
| Ventilation, want of | ... | ... | ... | ... | ... | ... | ... | 2 |
| Verminous | ... | ... | ... | ... | ... | ... | ... | 3 |
| Water Closet, not separate for sexes | ... | ... | ... | ... | ... | ... | ... | 2 |
| „ „ no ventilated Lobby | ... | ... | ... | ... | ... | ... | ... | 3 |
| „ „ dirty condition | ... | ... | ... | ... | ... | ... | ... | 2 |
| „ „ needing repair | ... | ... | ... | ... | ... | ... | ... | 4 |
| „ „ not screened | ... | ... | ... | ... | ... | ... | ... | 2 |
| „ „ without indication | ... | ... | ... | ... | ... | ... | ... | 2 |
| „ „ insufficient | ... | ... | ... | ... | ... | ... | ... | 5 |
| Miscellaneous | ... | ... | ... | ... | ... | ... | ... | 3 |

REGISTERED FACTORIES AND FACTORIES (NO MECHANICAL POWER).

FACTORIES ACT, 1937.

The following is a classified list of the Factories and Factories (No Mechanical Power) on the Register at the 31st December, 1945.

FACTORIES.

| | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|
| Hat Manufacturers | ... | ... | ... | ... | ... | ... | ... | 212 |
| Upholsterers | ... | ... | ... | ... | ... | ... | ... | 3 |
| Motor Vehicle Engineers, Repairs and Cycle Repairs | ... | ... | ... | ... | ... | ... | ... | 32 |
| Boot Repairers | ... | ... | ... | ... | ... | ... | ... | 28 |
| Corn Merchants | ... | ... | ... | ... | ... | ... | ... | 2 |
| Joiners, Woodworkers and Carpenters | ... | ... | ... | ... | ... | ... | ... | 28 |
| Builders | ... | ... | ... | ... | ... | ... | ... | 5 |
| General Engineers | ... | ... | ... | ... | ... | ... | ... | 30 |
| Undertakers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Hat Blockmakers | ... | ... | ... | ... | ... | ... | ... | 19 |
| Hat Blocking | ... | ... | ... | ... | ... | ... | ... | 1 |
| Bleachers, Dyers and Felt Body Makers | ... | ... | ... | ... | ... | ... | ... | 16 |
| Breeze Block Manufacturers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Cardboard Box Makers | ... | ... | ... | ... | ... | ... | ... | 17 |
| Chocolate, Cocoa and Sweet Manufacturers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Printers and Letterpress Printers | ... | ... | ... | ... | ... | ... | ... | 20 |
| Hat Lining Manufacturers | ... | ... | ... | ... | ... | ... | ... | 12 |
| Sheet Metal Workers | ... | ... | ... | ... | ... | ... | ... | 5 |
| Electrical Engineers | ... | ... | ... | ... | ... | ... | ... | 13 |
| Cellulose Spraying | ... | ... | ... | ... | ... | ... | ... | 1 |
| Jigs and Tools Maker | ... | ... | ... | ... | ... | ... | ... | 2 |
| Acetylene Welders | ... | ... | ... | ... | ... | ... | ... | 1 |
| Sausage Makers, Pie Makers, etc. | ... | ... | ... | ... | ... | ... | ... | 10 |
| Electro-platers | ... | ... | ... | ... | ... | ... | ... | 1 |
| Iron Founders | ... | ... | ... | ... | ... | ... | ... | 7 |
| Stone Masons | ... | ... | ... | ... | ... | ... | ... | 3 |
| Tailors and Clothiers | ... | ... | ... | ... | ... | ... | ... | 12 |
| Machine Makers | ... | ... | ... | ... | ... | ... | ... | 1 |
| Hat Materials Merchants | ... | ... | ... | ... | ... | ... | ... | 2 |
| Saw Mills | ... | ... | ... | ... | ... | ... | ... | 2 |
| Laundries | ... | ... | ... | ... | ... | ... | ... | 5 |
| Sewing Machine Engineers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Pattern Makers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Mineral Water Manufacturers and Brewers | ... | ... | ... | ... | ... | ... | ... | 5 |
| Photographic Printers and Developers | ... | ... | ... | ... | ... | ... | ... | 3 |
| Feather Dyeing and Mounting | ... | ... | ... | ... | ... | ... | ... | 5 |
| Chemical Makers | ... | ... | ... | ... | ... | ... | ... | 4 |
| Blacksmiths | ... | ... | ... | ... | ... | ... | ... | 4 |
| Garment Makers and Menders and Corset Makers | ... | ... | ... | ... | ... | ... | ... | 5 |
| Dairies | ... | ... | ... | ... | ... | ... | ... | 6 |
| Knitted Hood Makers and Proofers | ... | ... | ... | ... | ... | ... | ... | 2 |
| Glass Workers | ... | ... | ... | ... | ... | ... | ... | 4 |

| | | | | | | |
|---|-----|-----|-----|-----|-----|-----------|
| Brass and Aluminium Founders | ... | ... | ... | ... | ... | 3 |
| Floor Polish Manufacturer | ... | ... | ... | ... | ... | 1 |
| Beer Bottling, Coffee Roasting and Grinding | ... | ... | ... | ... | ... | 1 |
| Coach and Motor Body Builders | ... | ... | ... | ... | ... | 2 |
| Miscellaneous | ... | ... | ... | ... | ... | 27 |
| | | | | | | <hr/> 572 |

FACTORIES (NO MECHANICAL POWER).

| | | | | | | | | | |
|---|----------|----|----|--|--|--|--|--|----------------|
| Joiners | ... .. . |  |  |  |  |  |  |  | 4 |
| Weighing Machine Repairers and Scale Makers | .. | .. | .. | | | | | | 2 |
| Upholsterers | ... .. . |  |  |  |  |  |  |  | 2 |
| Painters and Plumbers | ... .. . |  |  |  |  |  |  |  | 1 |
| Tailors | ... .. . |  |  |  |  |  |  |  | 6 |
| Blacksmiths and Wheelwrights | ... .. . |  |  |  |  |  |  |  | 6 |
| Coach Builders and Repairers, Motor Vehicle and Cycle Repairers | | | | | | | | | 3 |
| Sheet Metal Workers | ... .. . |  |  |  |  |  |  |  | 1 |
| Watch, Clock, Jewellery and Typewriting Repairs | ... .. . |  |  |  |  |  |  |  | 2 |
| Hat and Millinery Manufacturers | ... .. . |  |  |  |  |  |  |  | 4 |
| Dress and Coat Makers and Alterations | ... .. . |  |  |  |  |  |  |  | 4 |
| Builders' Yards and Brickmakers | ... .. . |  |  |  |  |  |  |  | 4 |
| Boot Repairers | ... .. . |  |  |  |  |  |  |  | 1 |
| General Engineers | ... .. . |  |  |  |  |  |  |  | 2 |
| Sweet Manufacturers | ... .. . |  |  |  |  |  |  |  | 1 |
| French Polishers | ... .. . |  |  |  |  |  |  |  | 1 |
| Feather Work | ... .. . |  |  |  |  |  |  |  | 1 |
| Paper Bag Manufacturer | ... .. . |  |  |  |  |  |  |  | 1 |
| Battery Repairs and General Servicing | | | | | | | | | 1 |
| Sugar Confectionery | | | | | | | | | 1 |
| Miscellaneous | | | | | | | | | 8 |
| | | | | | | | | | <hr/> 56 <hr/> |

TABLE 24. OUTWORKERS RETURNS.

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| Section 110, Factories Act, 1937. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Section 107, Factory and Workshop Act, 1901. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nature of Work | Lists received from Employers and other Authorities | | | | | | Notices served on occupiers as to keeping or sending lists | | | Prosecutions | | Outwork in un-wholesome premises, Sec. 111. | | | Outwork in infected premises, Sec. 153. P.H.A. 1936. | | | Lists forwarded to other Authorities | | | Lists received from other Authorities | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sending once in the year | | | Sending twice in the year | | | | | | | | | Instances | | | Notices served | | | Prosecutions | | | Orders made Sec. 153. P.H.A. 1936. | | | Prosecutions Sec. 153. P.H.A. 1936. | | | Local Authorities to whom lists of outworkers have been forwarded | | | Number of lists | | | Workmen | | | Contractors | | | Authorities from whom lists have been received | | | Number of lists | | | Workmen | | | Contractors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Outworkers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lists | | | Con-tractors | | | Work-men | | | Lists | | | Con-tractors | | | Work-men | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

The homes of all outworkers are visited by the Sanitary Inspectors who deal with any nuisance or other irregularity

HOUSING.

I.—Inspection of Dwelling-houses during the year :—

| | |
|--|-------|
| (1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... | 1,663 |
| (b) Number of inspections made for the purpose | 4,220 |
| (2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Acts | 0 |
| (b) Number of inspections made for the purpose | 15 |
| (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation | 0 |
| (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation | 1,167 |

II.—Remedy of defects during the year without service of formal Notices :—

| | |
|--|-----|
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers | 753 |
|--|-----|

III.—Action under Statutory Powers during the year :—

A.—Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—

| | |
|--|---|
| (1) Number of dwelling-houses in respect of which notices were served requiring repairs | 0 |
| (2) Number of dwelling-houses which were rendered fit after service of formal notices :— | |
| (a) By Owners | 0 |
| (b) By Local Authority in default of owners ... | 0 |

B.—Proceedings under Public Health Acts :—

| | |
|---|----|
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | 73 |
| (2) Number of dwelling-houses in which defects were remedied after service of formal notices :— | |
| (a) By Owners | 57 |
| (b) By Local Authority in default of owners ... | 0 |

C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

| | |
|--|---|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made | 0 |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders | 0 |

D.—Proceedings under Section 12 of the Housing Act, 1936 :—

| | |
|--|---|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made | 0 |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | 0 |

Housing Act, 1936 :—

| | |
|--|-----|
| (a) (i) Number of dwellings overcrowded at end of year | 76 |
| (ii) Number of families dwelling therein | 113 |
| (iii) Number of persons dwelling therein | 697 |
| (b) Number of new cases of overcrowding reported during the year | 60 |
| (c) (i) Number of cases of overcrowding relieved during the year | 5 |
| (ii) Number of persons concerned in such cases | 34 |
| (d) Cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding | 0 |
| (e) (i) Number of Council houses found to be overcrowded at end of year | 7 |
| (ii) Number of families dwelling therein | 11 |
| (iii) Number of persons dwelling therein | 59 |
| (f) (i) Number of cases of overcrowding in Council houses relieved during the year | 1 |

INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY : MILK AND DAIRIES ACTS AND ORDERS, ETC.

| | | | | | | <i>On Register</i> <i>Dec. 31st,</i> 1944 | <i>On Register</i> <i>Dec. 31st,</i> 1945 |
|-------------------------------------|-----|-----|-----|-----|-----|---|---|
| Registered :— | | | | | | | |
| Cowkeepers | ... | ... | ... | ... | ... | 11 | 11 |
| Wholesalers | ... | ... | ... | ... | ... | 10 | 9 |
| Registered Purveyors for Sale of :— | | | | | | | |
| Tuberculin Tested Milk | ... | ... | ... | ... | ... | 5 | 5 |
| Tuberculin Tested Milk (Certified) | ... | ... | ... | ... | ... | 1 | 1 |
| Pasteurised Milk | ... | ... | ... | ... | ... | 4 | 4 |
| Ungraded Loose Milk | ... | ... | ... | ... | ... | 67 | 67 |
| Prepacked Milk only | ... | ... | ... | ... | ... | 153 | 157 |

MILK (SPECIAL DESIGNATIONS) ORDER

The following licences were granted during 1945 :—
Tubercular Tested Milk (Certified)—

| | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|---|-----|
| Supplementary | ... | ... | ... | ... | ... | ... | 1 | |
| | | | | | | | — | 1 |
| Tuberculin Tested Milk— | | | | | | | | |
| Establishment at which the Milk is bottled | ... | ... | | | | | 2 | |
| Establishment where Milk is sold in bottles as supplied by wholesaler | ... | ... | ... | ... | ... | ... | 3 | |
| | | | | | | | — | 5 |
| Pasteurised (Holder) | ... | ... | ... | ... | ... | ... | 3 | |
| Pasteurised (H.T.S.T.) | ... | ... | ... | ... | ... | ... | 1 | 4 |
| | | | | | | | — | — |
| | | | | | | | | 10 |
| Number of Milk Vendors resident in Borough | ... | ... | | | | | | 204 |

BACTERIOLOGICAL EXAMINATION OF MILK.

During the year, 141 samples of milk were submitted for bacteriological examination and Table 23 shows the results of these examinations.

TABLE 25. BACTERIOLOGICAL EXAMINATION OF MILK.

| | Samples reported to contain :— | | | | | | | | | | | | |
|----------------------------------|---|------------------|---|----|-------|-------------------|------|--------------|--------|------|---|--------------------------------|---|
| | Total number of samples submitted | B. Coli in tubes | | | % | Strep- tococci | % | Pus cells | % | Dirt | % | Acid fast Organ- isms | % |
| | | 1 | 2 | 3 | | | | | | | | | |
| Ordinary Milk ... | 53 | 8 | 1 | 10 | 35.85 | 2 | 3.77 | 41 | 77.36 | — | — | — | — |
| Pasteurised (Holder) ... | 34 | 4 | 2 | 7 | 38.24 | 3 | 8.82 | 32 | 94.12 | — | — | — | — |
| Pasteurised (H.T., S.T.) | 28 | 3 | 3 | 6 | 42.86 | 1 | 3.57 | 28 | 100.00 | — | — | — | — |
| Tuberculin Tested ... | 19 | 2 | 1 | 1 | 21.05 | — | — | 16 | 84.21 | — | — | — | — |
| Tuberculin Tested (Certified) | 4 | 1 | — | — | 25.00 | — | — | 4 | 100.00 | — | — | — | — |
| Sterilised ... | 3 | — | — | — | — | — | — | 3 | 100.00 | — | — | — | — |
| Total ... | 141 | 18 | 7 | 24 | 34.75 | 6 | 4.25 | 124 | 87.94 | — | — | — | — |

A number of unsatisfactory samples was taken from large bulk supplies and it was impossible to trace infection back to its source, but in 42 cases, the matter was taken up with the County Councils, Producers and Retailers concerned.

TABLE 26.

SUMMARY OF CHEMICAL ANALYSES OF MILK SAMPLES.

| Period | No. of Samples Examined | AVERAGES | |
|----------------------------|-------------------------|----------|------------------|
| | | Fat % | Solids not Fat % |
| January | 19 | 3.82 | 8.82 |
| February | 27 | 3.57 | 8.94 |
| March | 36 | 3.49 | 8.46 |
| Quarter ended 31.3.45 ... | 82 | 3.59 | 8.70 |
| April | 17 | 3.36 | 8.78 |
| May | 40 | 3.36 | 8.95 |
| June | 10 | 3.17 | 8.90 |
| Quarter ended 30.6.45 ... | 67 | 3.33 | 8.90 |
| July | 23 | 3.49 | 8.64 |
| August | 16 | 3.77 | 8.49 |
| September | 24 | 3.61 | 8.65 |
| Quarter ended 30.9.45 ... | 63 | 3.61 | 8.61 |
| October | 33 | 3.67 | 8.87 |
| November | 19 | 3.70 | 8.88 |
| December | 27 | 3.65 | 8.90 |
| Quarter ended 31.12.45 ... | 79 | 3.54 | 8.88 |
| Year ended 31.12.45 ... | 291 | 3.55 | 8.77 |

EXAMINATION OF MILK

SECTION 25, FOOD AND DRUGS ACT, 1938

Eight samples of milk were taken and tested by Guinea Pig inoculation.

Two samples were taken from a 1,000 gallon tanker of raw milk, from one sample the guinea pig died from Septicaemia and from the other the presence of Tubercle Bacilli was indicated and although representations to the various Authorities have been made a satisfactory conclusion has not yet been reached.

In three samples the presence of *Brucella Abortus* was disclosed, and to date, the milk has been traced to two Cows resulting in Veterinary treatment and withdrawal from the Dairies of the Milk supply from the infected cows.

The remaining three samples were free from infection.

TABLE 27.

BACTERIOLOGICAL EXAMINATION of WASHED MILK BOTTLES

Bottles rinsed with 20 c.c. Saline.

| Sample No. | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|-----------------|--------|--------|--------|--------|---------|---------|--------|-----|-----|-------|-------|
| Bottle Count | 17,600 | 80,000 | 29,000 | 25,600 | 130,000 | 200,000 | 30,000 | 900 | 240 | 8,000 | 2,000 |
| 1 C.C. Count | 880 | 4,000 | 1,440 | 1,280 | 6,500 | 10,000 | 3,000 | — | — | — | — |
| Coli in 3 Tubes | 1 | 1 | 1 | 2 | — | 3 | 3 | — | — | — | — |

REGISTRATION OF PREMISES USED FOR THE MANUFACTURE, STORAGE OR SALE OF FOOD.

| | Premises on Register, 1944 | Added on Register, 1945 | Totals |
|--|----------------------------|-------------------------|--------|
| Sale and Storage of Ice-cream ... | 55 | 5 | 60 |
| Manufacture of Ice-cream... .. | 13 | 5 | 18 |
| Manufacture of Preserved Foods | 66 | — | 66 |
| Fish Frying and Curing | 28 | 3 | 31 |
| Butter, Margarine, Wholesale dealers or Factories | 17 | Nil | 17 |

INSPECTION OF MEAT AND OTHER FOODS.

The amount of unsound food condemned and destroyed during the year comprised :—

| <i>No. of Parcels</i> | <i>Article</i> | <i>Weight in lbs.</i> |
|-----------------------|--|-----------------------|
| 4,878 | Beef | 208,181 |
| 173 | Pork | 8,445 |
| 96 | Mutton | 871 |
| | Bacon and Ham | 74 |
| | Vegetables—Fresh and Canned and Soups | 1,990 |
| | Fish—Fresh and Canned | 3,915 |
| | Sausage and Sausage Meat | 323 |
| | Butter and Cheese | 5 |
| | Canned Milk | 896 |
| | Canned and Cooked Meat | 3,875 |
| | Flour and Bread | 52 |
| | Preserves | 263 |
| 541 | Tea | 14 |
| | Cocoa | 154 |
| | Pop Barley | 2,248 |
| | Cake and Pudding Mixture | 58 |
| | Dried Fruit... .. | 228 |
| | Cereals | 115 |
| | Sweets | 31 |
| | Biscuits | 60 |
| <u>5,688</u> | <u>103 tons 9 cwts. 2 qrs. 14 lbs.</u> | <u>231,798</u> |

The above statement includes the weight of the entire carcasses and organs of 31 cattle, excluding cows, 107 cows, 22 calves, 10 sheep and lambs and 70 pigs.

In addition, the following articles which were not weighed were condemned :—

| <i>No. of Parcels</i> | <i>Article</i> | | | | <i>Number</i> |
|-----------------------|--------------------------|-----|-----|-----|---------------|
| 96 | Eggs | ... | ... | ... | 196 |
| | Fish Cakes | ... | ... | ... | 3,807 |
| | Meat Pies | ... | ... | ... | 995 |
| | Sausage Rolls | ... | ... | ... | 114 |
| | Crumpets | ... | ... | ... | 540 |
| | Milk | ... | ... | ... | 287 pints |
| | Sauces | ... | ... | ... | 3 bottles |
| | Pickles | ... | ... | ... | 40 gallons |
| | Cake and Pudding Mixture | ... | ... | ... | 58 packets |
| | Meat Paste | ... | ... | ... | 26 bottles |
| | Sundries | ... | ... | ... | 193 |

TABLE 28

MEAT INSPECTION IN SLAUGHTERHOUSES.

| | Cattle exclud- ing Cows | Cows | Calves | Sheep and Lambs | Pigs | Total |
|--|----------------------------------|--------|--------|-----------------------|--------|--------|
| Number killed | 4,371 | 2,267 | 3,311 | 5,498 | 1,098 | 16,545 |
| Number Inspected | 4,371 | 2,267 | 3,311 | 5,498 | 1,098 | 16,545 |
| Percentage of number killed which were inspected | 100% | 100% | 100% | 100% | 100% | 100% |
| All diseases except Tuberculosis : | | | | | | |
| Whole carcasses condemned | 2 | 5 | 6 | 10 | 66 | 89 |
| Carcasses of which some part or organ was condemned | 1,074 | 704 | 17 | 289 | 89 | 2,173 |
| Percentage of the number inspected affected with disease other than tuber- culosis | 24.62% | 31.27% | 0.69% | 5.44% | 14.12% | 13.67% |
| Tuberculosis only : | | | | | | |
| Whole carcasses condemned | 29 | 102 | 16 | — | 4 | 151 |
| Carcasses of which some part or organ was condemned | 803 | 919 | 7 | — | 99 | 1,828 |
| Percentage of the number inspected affected with Tuberculosis | 19.00% | 44.20% | 0.69% | — | 9.38% | 11.96% |

TUBERCULOSIS IN CALVES.

During the year Veterinary Inspectors of the Ministry of Agriculture and Fisheries were notified of eight calves examined in the slaughterhouses and found to be affected with Tuberculosis.

Reports from the Veterinary Inspectors concerned show that five dams were traced and two were slaughtered under the Tuberculosis Order, 1938.

SLAUGHTER OF ANIMALS ACT, 1933

| | | |
|---|--------|----|
| Number of Slaughtermen on Register at 31st December, 1944 | ... | 32 |
| Applications for Licenses considered during, 1945 | ... .. | 0 |
| Number of Slaughtermen on Register at 31st December, 1945 | ... | 32 |

SALE OF FOOD AND DRUGS ACTS.

During the year, 318 samples were taken, 159 being formal and 159 informal samples.

| <i>Formal</i> | <i>Informal</i> | <i>Nature of Sample</i> |
|---------------|-----------------|--|
| — | 3 | Butter |
| — | 3 | Cheese |
| — | 9 | Cooked Meats |
| — | — | Confectionery, sweets, etc. |
| — | 18 | Fish—canned and fish and meat paste |
| — | 12 | Fruit—fresh and preserved |
| — | 35 | Groceries—miscellaneous |
| — | 14 | Jam, honey, marmalade, etc. |
| — | 3 | Lard |
| — | 9 | Margarine |
| — | 14 | Milk and Milk Foods (canned) |
| 150 | — | Milk |
| — | 14 | Patent medicines and chemical substances |
| — | 12 | Temperance drinks & non-alcoholic wines |
| — | 6 | Sausages and sausage meat |
| 9 | 7 | Wines, spirits and beers |
| <hr/> 159 | <hr/> 159 | |
| 318 | | |

TABLE 29.

Of the samples analysed, 16 were reported to be not genuine, details of which, and the action taken in regard thereto, are as follows :—

| Sample No. | Formal | Article | Adulteration or other irregularity | Action taken |
|------------|----------|--------------|--|--|
| 7026 | 1 | Milk | Milk fat deficiency 21% | "Appeal to Cow" requested See sample Nos. 7034 & 7037 |
| 7034 | 1 | " | Milk fat deficiency 14.3% | } "Appeal to Cow" Samples. Matter referred to Bucks. W.A.E.C. Milk found to be as given by the cow. Producer advised to contact W.A.E.C. |
| 7037 | 1 | " | Milk fat deficiency 22.7% | |
| 7090 | 1 | " | Milk fat deficiency 7.3% | |
| 7091 | 1 | " | Milk fat deficiency 7.0% | |
| 7104 | Informal | Vinegar | Acetic Acid deficiency 17.5% | Formal Sample unobtainable. Vendor & Manufacturer warned. |
| 7106 | 1 | Milk | Milk fat deficiency 28.3% | "Appeal to Cow" requested. See samples Nos. 7118 & 7119. |
| 7118 | 1 | " | Milk fat deficiency 23.3% | } "Appeal to Cow" Samples. Producer advised to contact W.A.E.C. Proceedings instituted under Section 3 of the Food & Drugs Act, 1938. Vendor fined £1 & 16s. costs, in respect of each offence. |
| 7119 | 1 | " | Milk fat deficiency 24.0% | |
| 7129 | 1 | " | Added water 9.0% ... | |
| 7130 | 1 | " | Added water 8.8% ... | |
| 7132 | 1 | " | Added water 7.5% ... | } Matter investigated at Farm. Producer warned. |
| 7154 | 1 | " | Added water 3.3% ... | |
| 7160 | Informal | Pork Sausage | Sulphur Dioxide 134 parts per million. | Vendor warned. |
| 7241 | 1 | Milk | Milk fat deficiency 5.0% | Producer warned. Advised to contact W.A.E.C. about feeding difficulties. |
| 7202 | 1 | " | Milk fat deficiency 6.0% | Producer warned. Advised to contact W.A.E.C. |

APPENDIX I.

A NOTE ON STATISTICAL RECORDS

By

RICHARD M. TITMUSS (Statistical Advisor)

During the year considerable progress has been registered in the organisation and re-ordering of public health and social statistics. Statistical data of varying kinds flow continuously into the records of local authorities and, in the future, they must be expected to increase in volume. It is essential, therefore, that this flow should be controlled, and that it should be organised. Modern systems of tabulation and recording must be introduced, so as to reduce to a minimum the number of paper stages, form and register entries, and the quantity of man-hours involved in record-keeping. The programme in hand in the Public Health Department aims both at achieving economy in record-keeping and raising the quantity and quality of health and social statistics. Of the steps so far undertaken to further these aims, the following items are selected for mention :

Birth Records. Some 40 facts of medical and social importance in relation to each birth in Luton are now concentrated on one punch card. The information on these cards is not only of practical value to the department, but it holds out many possibilities of research into problems of maternal and child welfare. The department is thus steadily building up, at the rate of approximately 2,000 cards a year, a great deal of valuable raw material for research purposes. A start has been made on (1) an analysis of birth weights according to age of the mother, order of pregnancy, social class and other factors and, (2) an examination of the estimated and actual date of confinement.

The Luton Survey. The most important item in this survey, the Report of which will soon be published, was the population census. This has provided the basic data which, linked with the birth records, enable estimates to be made of fertility in Luton. The census also produced data on family size which is essential to the planning of a housing programme.

Review of Records. A review has been undertaken, and recommendations made, in relation to the system of record-keeping of diphtheria immunisations, birth notifications and other matters.

APPENDIX II.

REPORT ON HEALTH EDUCATION IN THE BOROUGH

By

MARTIN W. HARDISTY, M.Sc.

Reference has been made in previous Reports of the Medical Officer of Health to the steps that led up to the appointment of a full time Biologist on the staff of the Public Health Department. It is now my duty to report to you on the stage that has been reached in carrying out the programme of Health Education formulated by the Public Health Committee, and to indicate the lines which future development may follow.

As already indicated this programme falls naturally into two parts ; a short term policy directed towards the adult population, and a long term scheme for educational work in the schools of the Borough.

Future progress in Social Medicine must rest in increasing measure on an enlightened attitude towards health matters on the part of the public. This implies a realisation of the principles underlying health measures and an improvement in standards of personal hygiene. We must ensure that the provisions made are widely known ; that the public know what services are available, and how best to make use of them. It is to be hoped that some instruction in Human biology and its social implications will find a place in every school and that our future citizens will have at least as good a knowledge of the working of their own bodies as they already possess of the mechanism of the internal combustion engine. The school is the foundation of any long term health policy and it is indeed fortunate that there exists in Luton such close co-operation between Health and Education Departments. At every stage there has been consultation between the Officers of these Departments, and the response of the teachers has been enthusiastic and helpful. It is this integration of Public Health policy and education that marks the developments in Luton as a pioneer venture.

Under the general direction of the Medical Officer of Health and the Director of Education school syllabuses have been drawn up, embodying the aims which have been defined. These schemes of work provide for a three year course from the age of 11 to 14. An objective and complete approach to the study of Man and his problems is only possible if it is based on a background of biological principles.

It must accordingly be our intention to encourage in the schools, courses in general biology which alone can provide this essential background. For the first two years, therefore, the syllabus covers the field of general biology and deals with a variety of animal and plant forms, their methods of life, and inter-relations one with another. This is followed, in the third year, by a study of human biology, which includes the essential anatomy and physiology, the bases of hygiene and questions of health and disease. These syllabuses, which were intended as a guide to teachers in arranging

their own courses, were submitted to the Head Teachers of the County Secondary Schools for their inspection and comment. It was agreed to give them a trial run in certain selected schools.

During the period from January to July 1945, courses were in progress in both Boys and Girls Departments covering the first, second and third year of the syllabus. Throughout this experimental period the teaching was directed by the biologist with the assistance of the class teachers. During the year some 150 advisory visits have been paid to the schools and nearly 100 demonstration lessons have been given.

At the conclusion of the trial courses there was a further meeting with teachers to survey the results, and to consider what alterations should be made in the original syllabus. Questionnaires submitted to the children showed that, in most cases, considerable interest had been aroused and it was generally agreed that work along these lines should continue. The organisation of such a comprehensive plan is, however, greatly handicapped at the present time by large classes and staffing difficulties, and in individual schools some modifications will be inevitable to meet these and other problems. Nevertheless, considerable progress can already be recorded.

Out of the 9 Senior Departments in the Borough 5 are already following a biology course on the general lines of the suggested syllabus, and upwards of 800 children are receiving instruction. There is every prospect that in the coming year further substantial progress will be made.

In extending the work in the schools, the Public Health Department will be able to assist in many ways. The services of the Biologist will at all times be freely available for help and advice. In addition a collection of biological materials, specimens and demonstrations is being built up, which can be issued to the schools when they are required.

The provision of a lecture theatre at Napier Road has made it possible for the Department to carry out a varied programme of activities in the field of Adult Education. This lecture room has accommodation for about 40 students and is equipped with facilities for visual instruction and practical demonstration.

During the winter of 1944-45 representatives of organisations interested in Adult Education were invited to attend an experimental course in Social Biology. This course consisted of 18 lectures given by specialist officers of the department. The response was most encouraging and similar courses are being prepared for the coming winter. During this same period there was a series of lectures in biology for teachers in the Secondary Modern Schools. These lectures were designed to assist teachers in conducting their biology courses along the lines of the suggested syllabus.

The Lecture Room has also been made available to Youth Organisations for classes in First Aid, Mothercraft and Sex Education. It is to be hoped that the Youth Clubs will make the fullest possible use of the facilities offered to them. The room has also been used throughout the year for

meetings of professional bodies such as the local branch of the Royal College of Nursing and the College of Midwives. A course of lectures in theoretical and practical Zoology has been provided for Sanitary Inspectors from Luton and the surrounding areas, designed to provide these officers with a background of essential biological knowledge.

The success of many of the Public Health services depends on securing the co-operation of the public. In such matters as the control of lice and diphtheria immunisation it is essential to bring these measures constantly before the notice of parents. In this connection, it was thought that an exhibition demonstrating some aspects of the Health Services would be a useful means of approach. Exhibits have been prepared dealing with nutrition, the control of lice and scabies, dental care and diphtheria immunisation. The exhibition stand has been made both permanent and portable so that it can be readily set up in the schools at meetings of parents' associations and on other similar occasions. Already there have been many requests for the loan of this exhibition, and it is intended to extend the range of exhibits so that it will retain its usefulness over a considerable period.

It may fairly be claimed that the programme outlined in this report marks the beginning of a broader outlook in Public Health administration. As a result of these steps and of their further development we may look forward to the time when there will be a livelier public response to all measures directed towards the health and well being of our citizens.

APPENDIX III.

THE SITUATION OF ILLEGITIMATE INFANTS

As some time elapses between the birth of an illegitimate infant and the making of reasonably stable arrangements for its care, the following note relates to infants born between 1st July, 1944, and the 30th June, 1945.

The situation of surviving infants on attaining the age of 6 months is examined for the purpose of affording a guide to the size and nature of the problem.

The outstanding fact disclosed is the high proportion of illegitimate infants who, at the age of 6 months, are still either in the care of the natural mother or who have been adopted.

Situation at the age of 6 months of illegitimate infants born between 1st July, 1944, and 30th June, 1945

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----------------|
| Still in care of natural mother | ... | ... | ... | ... | ... | 126 |
| Adopted | ... | ... | ... | ... | ... | 31 |
| In Institutions | ... | ... | ... | ... | ... | 6 |
| Lost Trace of | ... | ... | ... | ... | ... | 4 |
| Under supervision of Bedfordshire County Council | ... | ... | ... | ... | ... | 10 |
| | | | | | | <hr/> 177 <hr/> |

(29 of those known to be in the care of the natural mother had moved out of Luton before reaching the age of six months. 8 illegitimate infants died before reaching the age of 6 months).

APPENDIX IV.

PREMATURE INFANTS

A premature infant is defined as one weighing less than $5\frac{1}{2}$ lbs. at birth. The term includes, therefore, somewhat small, but healthy babies who require little more than ordinary care and management, and, on the other hand, infants who are so small that they have little chance of surviving however much care they are given.

Between these extremes are infants who, with expert attention, have a good chance of becoming healthy, vigorous babies, but who would probably not survive the ordinary rigours of early life which the normal baby meets without harm.

Special arrangements for the care of premature infants in their homes are made within the Council's municipal midwifery service, and infants who cannot be cared for at home are admitted to hospital.

Premature births which occurred during the year are analysed below according to place of birth, and birthweight.

PREMATURE INFANTS CLASSIFIED ACCORDING TO BIRTH WEIGHT

| | Under 2 lbs. | 2-3 lbs. | 3-4 lbs. | 4-5 lbs. | 5- $5\frac{1}{2}$ lbs. | Weight not Re- corded | All |
|---------------------------------------|-----------------|----------|----------|----------|------------------------|-----------------------------|-----|
| Number | 1 | 4 | 13 | 32 | 64 | 2 | 116 |
| No. surviving after 24 hrs. | 0 | 2 | 11 | 31 | 63 | 2 | 109 |
| No. surviving at 4 weeks* | 0 | 1 | 10 | 28 | 58 | 0 | 97 |

*Compiled 28th January, 1946

Premature Infants according to Place of Birth

Born in Maternity Institutions :—

| | | |
|--------------------------------------|-----|------|
| (a) Under control of Borough Council | ... | 63 |
| (b) Other | ... | 34 |
| | | — 97 |

Born at home... .. 19

Total ... 116

Disposition of Premature Infants born at home

Of the 19 babies born at home, 13 with weights of 4 lbs. 4 ozs. to 5 lbs. 8 ozs. were not admitted to hospital, and 6 weighing respectively 3 lbs. 4 ozs., 3 lbs. 10 ozs., 3 lbs. 12 ozs., 4 lbs. 12 ozs., 5 lbs., and 5 lbs., were admitted to hospital.

All 6 babies admitted to hospital were alive at the age of 4 weeks, whereas of the 13 not admitted 4 died before attaining that age.

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY, MATERNAL DEATH RATES AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR 1946.

(England and Wales, London, 126 Great Towns and 148 Smaller Towns).

(Provisional figures based on Weekly and Quarterly Returns).

| | LUTON. | ENGLAND AND WALES. | 126 County Boro's and Great Towns including London. | 148 Smaller Towns (Resident Population 25,000 to 50,000 at 1931 Census). | London Administrative County. |
|---|---------|--------------------|---|--|-------------------------------|
| * Rates per 1,000 Civilian Population | | | | | |
| Births : | | | | | |
| Live | 19.9 | 19.1‡ | 22.2 | 21.3 | 21.5 |
| Still | 0.67 | 0.53‡ | 0.67 | 0.59 | 0.54 |
| Deaths : | | | | | |
| All causes | 9.6 | 11.5‡ | 12.7 | 11.7 | 12.7 |
| Typhoid and Paratyphoid Fevers | — | 0.00 | 0.00 | 0.00 | 0.00 |
| Scarlet Fever | — | 0.00 | 0.00 | 0.00 | 0.00 |
| Whooping Cough | 0.04 | 0.02 | 0.02 | 0.02 | 0.02 |
| Diphtheria | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Influenza | 0.15 | 0.15 | 0.13 | 0.14 | 0.12 |
| Smallpox | — | 0.00 | 0.00 | 0.00 | — |
| Measles | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 |
| Rates per 1,000 live births | | | | | |
| Deaths under 1 year of age ... | 34 | 43† | 46 | 37 | 41 |
| Deaths from Diarrhoea and Enteritis under 2 years of age | 1.4 | 4.4 | 6.1 | 2.8 | 4.2 |
| Rates per 1,000 Civilian Population | | | | | |
| Notifications : | | | | | |
| Typhoid Fever | — | 0.01 | 0.01 | 0.01 | 0.01 |
| Paratyphoid Fever | — | 0.02 | 0.02 | 0.01 | 0.01 |
| Cerebro Spinal Fever | 0.05 | 0.05 | 0.05 | 0.04 | 0.06 |
| Scarlet Fever | 1.63 | 1.38 | 1.51 | 1.33 | 1.42 |
| Whooping Cough | 1.13 | 2.28 | 2.48 | 2.05 | 2.22 |
| Diphtheria | 0.21 | 0.28 | 0.32 | 0.31 | 0.24 |
| Erysipelas | 0.12 | 0.22 | 0.25 | 0.22 | 0.27 |
| Smallpox | — | 0.00 | 0.00 | 0.00 | 0.00 |
| Measles | 5.22 | 3.92 | 4.73 | 3.70 | 7.35 |
| Pneumonia | 0.66 | 0.89 | 1.02 | 0.74 | 0.75 |
| Rates per 1,000 Total Births (Live and Still) | | | | | |
| (a) Notifications : | | | | | |
| Puerperal Fever | } 12.92 | 8.50 | 10.35 | 7.63 | { 1.62 Ø 9.68 |
| Puerperal Pyrexia | | | | | |
| (b) Maternal Mortality : | | | | | |
| Puerperal Infection (No. 147) ... | } 0.92 | 0.18 | | | |
| Abortion with Sepsis (No. 140)... | | | | | |
| Abortion without Sepsis (No. 141) | } 0.46 | 0.06 | | | |
| Others | | | | | |
| Total | 1.38 | 1.43 | | | |

* A dash (—) signifies that there were no deaths.

† Per 1,000 related births.

‡ Rates per 1,000 Total population.

Ø Including Puerperal Fever.

